

10

1933.

Trip to Minnesota
St. Croix River
Duluth.

Wisconsin (N.)

Trip South - Sept.-Oct.

Missouri, Farmington
Cape Girardeau

Ozarks - Big Spring
Arkansas - to Helena.
Mississippi - Roseaces.

Vicksburg.
Natchez.

Louisiana - Tunica - Baton Rouge.

New Orleans

Mississippi - Gulfport - Biloxi.

Alabama - Mobile - Bay Minette

Florida - Bluff Springs.

Alabama - Clairborne
Montgomery - Wetumpka
Selma, Cahawba River
Wilsonville (Coosa River)
Decatur, Huntsville, Florence
Riverton (Clams)

Tennessee - Dyersville.

Kentucky - Hickman - Paducah.

Missouri - St. Louis.

N. & Mitchellville, La.

Please return to
B. S. Stineke, 524 Brown St.
Des Moines, Iowa & receive
Decatur 11, 1917 reward

Huntington 5,015

Des Moines 12,529

Des Moines 3,855

St. Louis 6,632

St. Louis 5,445

St. Louis 2,100

Des Moines 6,444

St. Louis

St. Louis 24,755

Ballott Rd. ^{go west} ^{go north}
Hoising Buff. ^{go north (parallel)}
Church on Main St. ^{W. of Army}
May does not care of does ^{pipe is just E.} ^{of magnolia}

W. of old brick yard

expenses

Aug. 14 - Gas & oil, Davenport	1.87
Aug. 15 - Orange sodas ¹⁰ , gas & oil ^{1.55} Mats ⁸⁵ , Con's Northbound #B. of St. Paul #45 - gas	1.65
Stillwater - pole, boys ²⁰	1.95
Taylor's Falls - sodas	1.30
Taylor's Falls - gas	.30
Taylor's Falls - gas	.15
Aug. 16 - Hotel ^{1.50} , breakfast ⁴⁰ Center City, Minn. luncheon	1.90
Pop. 85 Crag river	.30
Gas - Pine City	.15
Supper - Agnes Hotel, Pine City	1.89
Aug. 17 - Hotel ^{1.50} , breakfast ⁶⁰ Two Harbors, Minn. - gas	1.00
Toll - Superior	96
Supper 11	1.50
Aug. 18 - Iron River - Room, breakfast ³⁵ Gas - Iron River Lake ⁹⁵ Board ²⁵ + toll Shell Lake	2.10
Supper - Fairview Hotel	1.17
Aug. 19 - Room ^{1.50} , breakfast ⁵⁰ Rock Lake luncheon	.20
Supper - Chippewa Falls	.50
Train - Whitehall	1.27
Aug. 20 - Whitehall, Room. Gas & oil	1.00
Lacrosse - paper ¹⁰ , breakfast ³⁰	.51
Golds ¹⁰ - carfare ⁶⁰ , gas & oil ^{1.13}	.40
Monona dynam ^{1.73}	.73
Winton 1B + 18	1.00
	18

1-37.6 4-154.3
2-82.2 5-192.4 + 6 min
3-115.8

13919

Tues

Aug. 15, 1933. Trip north,
Left at 5:43 am. 13919 -
(mon. cont.)

Home	0.
North Liberty	7.5
Curtis bridge -	12.4
Shawville Row -	15.6 ^{1/2}
Cedar Rapids #30,	25.1
#218 + #30	43.3+
Shellsburg Road ^{15.1} #212	53.2
Vinton -	57.2
Fraser Row #8,	66.6
La Porte City -	75.7 ^{1/2}
Washburn -	
Waterloo (Hill)	90.2
Cedar Falls #20 -	97.2
Janesville (bridge)	104.7
Waverly #10 -	110.6 ^{1/2}
Plainfield RR -	121.1 ^{1/2}
Mashburn (Hill)	128.8 ^{1/2}
Charles City #18	139.4
No. 18 -	144.4 ^{1/2}
Floyd -	145.1
Floyd RR	145.2
Orford Post 255-151.8	
#9 + #18 -	155.7 ^{1/2}
Orange -	159.5 ^{1/2}
St. Ansgar town	165.8
St. Ansgar, RR	171.1
St. Ansgar	180.2
Tyke RR. M.	180.4
Austin - RR. 191.2	
"	191.6 ^{1/2}
" - Austin N. 191.1 ^{1/2}	
RR	324.1 ^{1/2}
Layton City	338.

Great grass prairies

Verbena hastata var. ang.
, not ~~Verbena~~
stricula

Erythronium americanum fl.

Liatris spicata (gray) pinkish

Coreopsis lanceolata pink

Helianthus scaberrimus fl. pink

Small grass of Dicotyledon

W. of Ford in a open opening

Grassie (many species)

Very dry on the prairies

So. Miss. Plant trees
do not look well

Country from Austin to

Watson very flat prairie,
the trees planted look scrubby
& are not doing well

Wet patches in pastures of
Solidago nemoralis.

Rather flat prairie (mostly not wet)

As 205 a strip of grass
grasses, but all ^{s. of} ~~clustered~~ ^{W. of} Blooming Prairie

Liatris scaberrima fl.

Solidago missouri fl.

" nemoralis fl.

Aster laevis - bl.

Helianthus major fl.

Andropogon furcatus

comosa (small) fl.

Petalostemum furcatum fl.

Amorpha canescens fl.

Liatris punctata fl.

Galium aparine fl.

Salix lucida fl.

Sorghastrum nutans fl.

Aster laevis - bl.

Zizina sulphurata fl.

Desmodium canescens fl.

Dolichos grandiflorus fl.

Phalaris canariensis fl.

Yucca whipplei fl.

Stipa heterophylla fl.

Eryngium yuccifolium fl.

Helianthus annuus fl.

Oenothera biennis fl.

Andropogon furcatus fl.

Salix lucida low fl.

Liatris ligulistylis fl.

Aster ageratum fl.

Zizina sulphurata fl.

Sienna Cirsium fl. low

Cirsium maculatum fl. low

Achillea millefolium fl.

Thermopsis texana fl.

Helianthus scaberrimus fl.

Veronica virginica fl.

Anemone canadensis fl.

Gerardia laevigata fl.

Amelanchier alnifolia fl.

Helianthus canadensis fl.

Quercus dumosa fl.

Solidago canadensis fl.

Agave lechuguilla fl.

Liatris ligulistylis fl.

Corylus americana fl.

Cirsium palustre fl.

Helianthus scaberrimus fl.

Zizina sulphurata fl.

Desmodium canescens fl.

Dolichos grandiflorus fl.

Phalaris canariensis fl.

Yucca whipplei fl.

Stipa heterophylla fl.

Eryngium yuccifolium fl.

Helianthus annuus fl.

Oenothera biennis fl.

Andropogon furcatus fl.

Salix lucida low fl.

Liatris ligulistylis fl.

Aster ageratum fl.

Zizina sulphurata fl.

Sienna Cirsium fl. low

Cirsium maculatum fl. low

Achillea millefolium fl.

Thermopsis texana fl.

Scrub oak all along the
RR.

Beyond Bixby, a little broken
with low knobs, & valleys &
some grass (but mostly
cluster trees) - a few oak woods

Beyond Pratt some broken

of Pomeroy watershed

Less rolling beyond

Acetona.

Rougher & more wooded
at Clinton Valley. More
various woods, knobs with trees
all along.

Sections of knobs show
gravel.

Farmland is on corners
now.

The knobs at & beyond Faribault
are drift clay with much coarse
gravel & small boulders

At 245+, beyond Faribault
in Cannon River I detect
Moraine knobs & - &

May, on plains

Follows #218 to Owatonna &
#65 to St. Paul

Moraine knobs to beyond
Duluth.

Beyond 222: again less
rolling, flat.

At N. of Rosemount rougher
again

To St. Paul - all hard woods
some Wh. Birch & nests
of Populus tremuloides

In the St. Croix River at
Stillwater, Minn., I collected this.

U. anodonta

U. plicatilis

U. tricuspidata

U. laevis

U. ligulata

U. pumila

U. ventricosa

U. laevis?

U. oblonga

Margaritifera ciliolata

Ammodonta edentula

— " *grandis*

Also much far of *Cambarus*
in shallow water along edge.

Also a few
Argylocypris — (on shells)

Pharacrinis —

We drove to Taylor's Falls along
the east side of the St. Croix

along St. Croix River - Minn., etc.

Lili's am.

Ostrya virginiana

Ulmus am.

Zanthoxylum

Elm hybrid

Quercus alba

" suber

Symplocos tinctoria

Prunus 5-fold

Vitis vulpina

Populus deltoides

Quercus alba (shrub)

Wh. Birch (on ledges)

Populus tremuloides

at 326.3 - first pine

The scenery is quite attractive
all along the St. Croix River
but most so in the Dales of
the St. Croix, included in the
Interstate Park at Taylors

Falls, Minn., & St. Croix Falls, Wis.
We find up at the Dales

Aug. 16, 1933. Wednesday

We drove over to the Wisconsin side.
There is an oak-hickory forest, with some
hard wood forest. Pine grow right
among the blakemore firs. Very dry.

In an open small bay (dry)

Psathyrocytes
Spiranthes vernalis
Carex (large elongate fr.)
♂ & (more slender)
Menyanthes trifoliata
Empetrum hermaphroditicum
" " purpureum - fl.
Empetrum ciliatum - fl.
Dactylis glomerata
Fine - large heads
Lathyrus palustris fl.
Primula elatior

At base of the Salles, I collected a few *Fymannia hirsuta* specimen 1 -

Eupatorium aggregatum
Ribes cymosum
Festuca virginica ab
Betula lutea
soil very calcareous
Juniper common
Fraxin nigr
Polygonum virgin

Hypoxis hirsuta
Rudbeckia hirta
Cormus alpinus
Anemone nemorosa
Asplenium filix-femina
Grenouilletia alpina

Uplow waves at 348, $\frac{1}{2}$ -

Ulmus americana com
Quercus alba
Ulmus fulva sw
acer saccharinum ^{vera} com
Fraxinus nigra few
 " *prunus* & *lanceolata* few
 new bottom near edge of swamp.

Another dry Tamarack swamp
Osmanthus americanus slg

In 1/2 Tamarack swamp I
 found a large Polypore on the
 ground. new fish & fisher
 from Red Maple & from
 least 2/3 of Tamarack.

Fruits of Tamarack -

Shrubs of *Populus tremuloides*
 common low down.

at 367, 1/2 Tamarack swamp
 at no. marsh mostly tamarack

Shaffer -	346.2
Tamarack swamp	347.7
2d upland waves	348.2
Center City	349.7
Lindstrom	351.4
	353.5

Chicago	354.4
Return	355.5
<u>Wyoming</u> #61	362.0
" town	362.2
Stacy -	366.4
North Branch -	374.2
Harris -	379.3
(E) Sims Banks	383.7
" return	387.9
Rush City -	394.8
Rock Creek -	399.9
Min. off E.	400.1
Bridge - H. City	409.3
Back to #61 -	418.5
Pine City	423.6

Tamarack Swamp ^{mi. E. of}
Shooper, Wis.

Salix (smooth glaucous)
Spiranthes lucida com, fl, fr
Verbena hastata fl, com
Spiraea ciliata fl, fr, to see
Eupatorium perfoliatum com
Aspidium elatius fr
Heuchera (var. sp.)
" (see this)
Salix discolor
Tamarack - downy
Lycopodium complanatum fl
Glyceria gracilis fl
Betula pumila var
Alans in com fr, com
Acer - (variegated) var
Polygonum avicinum com
Scirpus cyathiformis fl, com
Betula alleghaniensis var
St. John's wort fl, var
Erythronium americanum fl, wh
Polygonum septentrionale fl, var
Alans (plantago) fl, com
Aspidium sparsipilum fr
Dwarf (var. sp.)
Scutellaria lateriflora fl, var

The wet birds are all smaller
& on hummocks with Tamarack
usually on Tamarack & hummock
sometimes 3 or 4 hummocks are
confluent in a line.

On island just N. of my swamp
various sedges
" sedge
Ostrya virginiana
" var. secundum
Quercus alba
Funaria hygrometrica
Ulmus americana
Tilia americana
Fraxinus nigra
Ulmus fulva
Betula & Grapinis
Plantago
Rubus strumosa
Populus tremuloides
Ribes
Zanthoxylum americanum

Quite a number of Jack Pines
& of Tharsis.

Turned & for Rock Creek

Alley road in lower
place Populus tremuloides
is very abundant - bushes
& groves

Also thickets of small
Wh. birches - sum

at 408.4 I found one
Red Pine (no moss on) It was
among a large number of
Jack Pines here common -

The bark is very rough
gumbo spots

Found others & got a lot of
cones

Farmer says there are not

too many Pines here on 2 sections, &
only a few White Pine & Tammarack, but
Jack Pines very common.

We drove to the St. Croix
River, here sluggish & shallow,
I dredged a lot of Mesoclinum
Pisidium, Barnea & Alasmidium,
and also some Sphaerium,
also picked up a number
of Unio shells on shore.

M. articulatum was distinctly
stunted, & most of the shells
measured 3 in.

It rained a part of the
time.

I also dredged a small
Camptoloma with rounded
spines. Also some younger
specimens of the same.

We drive back to the
and then on to ~~the~~ ⁱⁿ city
where we find out the
Agnes hotel

This is in the "good old days"
was about the northern limit
of the pine forests.

I found the next day that
every where there were old burnt
stumps of pine, & now thickets
of Poterium ~~strumuloides~~, Potentilla
alba v. (these often mixed on
higher ground), appears isolated

The soil throughout is very
thin & poor, running along road
showing drift (mostly red) &
practically no black soil

583.6 - Nemagji Riv.	about 694 - ^{gravel} Lake
594.1 Amicon Falls	800' - ^{gravel} Lake
597.3 Middle River	800' - ^{gravel} Lake
Aug. 17, 1933 - Thursday	
Pine City	
Silver Lake 423.60	Lakeview
Brown - 429.6	Lakewood Riv 522.9
Mission Creek -	French Riv. 527.2
Hinkley, RR. 431.6	Amherst River 530.0
Friesland - 441.5	Little Snake Riv 530.7
Gas station	Knife Riv. 533.9
Victor	Gardens
Granite	Two Rivers 541.4
Rutherford	Lower back. 541.6
Willow River 461.1	Two Rivers 541.9
Slaggin Lake Rd 465.3	Knife River 549.5
Moore River	Little Snake Riv. 552.5
Moore Lake - 470.6	Sucker River 553.3
Moore 471.2	French River 556.1
Marsh 471.3	Lakewood River
Carveriet	Lester River 563.1
Wadlow	#61 + 2 - 568.5
Almond -	#2 live #65 - 573.3
Outer Creek -	#2 + 53 577.4
Carlton - Rd 493.9	5. return trip 579.4
Carlton - River 494.0	Dark Creek - 52.5
Canyon -	Range - 593.1
Elder corn 499.7	#53 -
Harley -	Wentworth -
Duluth - river 504.5	Poplar - 543.6
#2 - 513.1	Maple 602.5
#2 + #61 (live). 514.8	Blue-berry
Lester River 521.3	Birch
	Iron River

Dugged a few *Amniota*, *Phalacri*,
Uroscelis & *Campelson* in Stock
River, Pine City, Minn. A curious
stream, - series of pools - full of
Valerianum, *Erodium*, *Myriophyllum*, etc
A beautiful cool bay.

Scattered thickets of
Populus tremuloides &
larger groves of white
birch (after small woods)

In a mixture of White Birch &
Quaking Asp on somewhat higher
ground. N. of Pine City I found:

Rhus typhina *Prunus pensylvanica*
Solidago canadensis -
Aster umbellatus (dry)
Leucanthemum? *Aster umbellatus* (dry)
Solidago scotii (dry)
Rubus allegheniensis
Saxifraga bronchialis
Grevillea lessonii (dry)
Epitaxis angustifolia
Comandra umbellata (dry)

There are numerous large stumps,
widely. Pine & this is evidently
cut over.

Hinkley had a great fire in
1894 - (400 acres lost) - Town wiped
out - Stumps were all burned.

Beyond Hinkley the groves of
birch & quaking asp are dotted
with burned pine stumps -
This is especially so on the slight
slopes -

Great patches of *Solidago canadensis*
on lower places

Corn low, poor. Houses mostly
small & poor.

Sept 1, 1894 - Sandstone was
destroyed.

Beyond Sandstone a few scattered
pines remain - seen mostly Red Pine

Passed small groves of Jack Pine
slightly more rolling beyond
limestone

In Kettle River at 457.3²
I dredge some shells
picked up unis, & found
small low-reed.

Saw small groves of
Jack Pine & Red Pine, very
few White Pine

Deysen Willow River 2200' aged
fir-like mostly and Pine, low
Red Pine

Beyond Abincon grille
a grove of Balsam Fir.
This, east, scattered.

In a dry bog at 490.2¹ I found
the following:

Tamarack
Balsam Fir
Betula glandulosa fl
Aster umbellata fl
Fraxinus nigra
Acers in canes
Solidago - aster
Aspidium foeniculæ
Marsilea canescens
Cornus alnifolia fl
Brown Labrador fl
Sphenopholis - grass
Aspidium erythrorhynchum
Hemlock

The Tamarack swamps (as far
as we saw) are all at present dry,
though it is evident that
they have plenty of moisture
below, for in low "holes" (small
& limited) water appears.

The trees etc. were all on
hummocks.

lowered Duluth much
rougher, more rock ledge
& more low on.

Wd. of Duluth also H'd
with a lot of eastern
Balsam & a few Wh.
Pines

Bryon made from a
devastation area by fire
dead trunk of small white birch
or. & low scrubby growth.

Turns back from Two
Harbors.

Minke river is rocky & swift
& there are no snags.

Looked strong again in the
overbank.

went into town at 554.5,
on return -

was told at Two Harbors that all the
nearest part of the Superior National Forest
was cut over.

noted:

Pinus resinosa
Hemlock
Aster subsp. tr.
Rubus idaeus var. br.
Jack Pine
Rubus (herb.) seaf.
Aralia nudicaule

are species of
agriculture
astor - lavender
Blueberry (in sp.)
Polygonum perfoliatum?
Alnus incana
Betula papyrifera

It rained a part of the afternoon
drove hard ^{through} Duluth to
Superior & had supper. Towed
#53 with a bad detour and
decided to drive to Iron River,
where we put up at a
private room.

The evening (& night) were
very cool.

Duluth has a crest of high hill
from its edge - lies in lower
basin along shore. Much rusty
granite rock. All cut over
country.
Superior, Wis., looks run down at
the best.

Widley stuck ft. Priscilla & Ly.

Brachyelytrum - fr.

Aug. 18, 1953. Friday

Had breakfast at Iron River
& drove S. on cut-off road to
Drummond.

The morning is cool, clear, &
very dewy.

Just a mile S. of Iron River I noted in a
large dense grove of Pearly Buckle
Caryx -
Populus tremuloides
Alnus incana (low) thick.
Asplenium platyneuron
Carex spicata cf
Fraxinus nigra
Ulmus americana
Corylus avellana
Cornus alnifolia
Salix (brown).
Aralia nudicaulis
Fraxini virginiana
Cornus canadensis
Trollius - fr
Arbutus menyana
Rush - fl.
Fine grass
Larch
Timber - fr
Anemone trifolia
Artemisia

Bitterroot
Corylus avellana
Prunus virginiana
Pteris aquilinoides
Aster (brown) pink
Aspidium trichomanes
Asplenium platyneuron
Artemisia vulgaris
Pulicaria dysenterica
Artemisia vulgaris fr.
Pulicaria dysenterica fl.
Rubus vitifolia fl.
Grevillea laurina fr. 2cm
Solidago nemoralis fl. fl.
Thlaspi divaricatum fl.
"Blue Berry" (combi) fl. 2cm
Aster umbellata fl.
Aralia nudicaulis fl.
Cornus canadensis fl.
Mazus alpinus (combi) fl.
Corylus avellana fl.
Asplenium

Iron River 618.3

Co. Road #
Return trip 621.6

Fahy's on. tm 2. 634.7
Lake, fine beach (dry) 639.0
Road A # 24 643.0
cable Rd. 652.1
Seely - 659.3
Phipps road 662.4
Hayward - 669.3
27 - 695.1
70 - 698.8
Stone Lake - 701.5
Turn S. on D 715.0 705.5
" W. " D
No 24 724.1
Shell Lake 724.9

at 621.1

621.5 $\frac{1}{2}$

The edges of this swamp
show old burnt stumps

Another swamp 3 mi. S. of town
shows White Pine (dead at top)

Betula allegh., Pinus nigra comm.

Needles cover down part on ground
& no undergrowth

Drove to Barrigan place on Brule Lake
Five years ago they made artificial
trout ponds & they are now full
& vegetation:

Gledea Scirpus, etc.
Myriophyllum
Stangeria

None was planted by the Carrigan
Five strings. Dredge a few mollusks.
The lake has a soft mud bottom
& I found no living mollusks
but only shells of Planorbis, unipan
gulus.

(This is still fine woods)

At 628.3 - quite a forest
Jack Pine (mostly)

Alnus incana
Heath with Coluber
corylus

also some Red Pine & White Pine

At 631.6 we ran into more
cut over stuff, with much small
young growth - White Pine & Red
Pine

Then eastern fruit
Agave after 6 1/2 3.

To them 2. Then all young growth
cut over here.

At 636.8 another burn over
area. After that from 7 to
9000

Brumwood Lake

At 639.0 a nice lake with fine
varied beach. Saw much of deer
horns. Collected flowers in but
no shells!

Went home on road with
much Pop. tremblant

Drummond is N. of junction of roads.
We stopped at Hayward for dinner,
and drove around Grindstone Lake.
We stopped at creek which discharges
water from Grindstone to Court Oreilles
lake. It is filled with vegetation -
Nymphaea advena *Peltandra* 2 or 3 sp
Castalia "Endomia"
Eelgrass-weed *Zizaniopsis*
Elder etc.

I dredged Camptoloma, *Aphelia*
+ *Anodonta* & *Bulimus*
We then drove to S. side of W. end
of Lac Court Oreilles,

I found Camptoloma in sand
along beach (living) & also
one shell of *Lymnaea stagnorum*

I took a boat and picked up
Unio Catinatus & *Anodonta* in shallows
water on sand on N. side of west
end of Lac Court Oreilles.

I then went up the connecting
creek for about $\frac{1}{2}$ mile but found
no *Lymnaea stagnorum*.

Drove along S. side of Grindstone
Lake over a very "billyowy"
road, to Shell Lake, where we
put up at the Lakeside Hotel.

all the region in N.E. Minn. &
N.W. Wis. through which we
have been travelling has been
devastated of its forests and is
now worthless, - excepting again
for young trees! What a
wasteful creature man is! In his
greed for immediate gain. he

has not thought for the future.
The millions made by the lumbermen
have brought little good, the resources of
the nation were wasted, and then a host
of bigwigs named real estate agent
came with entire innocent victim
to this worthless land! The shabby
buildings, poor crops show why
these countries are unable to keep
up their standards. It is not merely
that this year is dry, & that they
are pioneers, - this poor soil
never will sustain a rural
population. The immense waste
areas, the widely scattered, poor
farms, are a sad commentary
on our "progress" and "civilization"
But is a thanksgiving beer country
(viz signs, etc) and every body should be
happy! - such nonsense!

Aug. 19, 1933 - Sat.
From Shell Lake a beautiful, clean
sandy beach lake, but almost
devoid of life at this end.
I am told that it is shallow &
wedge at the east end.
A fine, clear day.
We stopped at Bear Creek, outlet
of Bear Lake, at Haven,
fine water, 1 Lynx trap, a
few deer tracks, camped in P.
bicarinata (1 other), the Alice very
thin Ammodramus. Large Plambeus
trout.

The fishing was rather scant.
A dam across Bear Creek has made
quite a deep pool above.

Drove on to Rice Lake.

Dredged in Lake Chetek
(see spec)

A few back River turcs

Drove to the Red Cedar River
taking W. J. Chetek

A very sluggish stream with
quite a lot of lily vegetation.

A monkey atavism.

A group of White Pines

new Cdk - 2nd growth

Centauri Vela Veneris

saw a few White Pines at
about 783 + 4 (5 f. New Auburn.

Chetek Lake is a long lake of
bare ground, 2000' in.

5. A former ^{part} the solatian
mounts (Cerrodo) appear like broad
peaks, mostly glauzy valleys.

Lake Chetek
✓
setek'

Shell Lake	725.2
Back to #24	730.1
(at 725.9)	
Road D	730.5
# 53 -	733.8
Saron	737.2
Hanover (return)	744.7½
Rice Lake	751.9
Lime (P.O.)	753.7
Cameron - RR	760.1
Chetek Santa	768.4
Return - 771 1/2	771 8 1/2

"	town	772.5
New Auburn		781.3
Bloomer	407	89.5
Engleton		797.0
Engle Rd		
Wayne		
Chippewa Falls	805.7	(2 nd run)
"	805.8	
"	806.3	

Eau Claire - RR. 816, 8
" Hotel Carlton
City 817, 2

Brackell. 8282

Foster 832.7

OSAGE. RR 840,3

11. Town 840.54

Hawzells' Bakery	
Culpeper Fall	
838, 1 - whitehall	22 m.
<u>12</u>	
90.1	" m.
Pigeon Falls	852.
Local City	857.0
Whitehall	859.2

At 794 - sawd pines (wh.)
at 794.8 a few aspens
High ridges all along to west
and N. W.

saw pines at Chippewa Falls
planted? Probably not.

at about 846
saw entire hills

Stopper at Whitehall, Wis. at
a private home

Had 3 men at gas station tell me
there were no papers sold in Whitehall!
all Scandinavian. Found
papers at downtown (a few).

Saw open saloon with men standing
at the bar in the old fashion.

The lake again through
which we have passed is

a resort, may - it is of little
value for agriculture.

If these people have any
sense they will not drain
or pollute their lakes &
will restore their forests.
But that is too much to
expect! Man, in his blind
greed, seeks immediate profit,
and being a gullible creature
he is easily "persuaded"
by glide-tongued agents that
there is some great fortune
awaiting him here.

God have mercy on us if
the devastating policies of forest
destruction and draining under
pretence of promoting agriculture,
are continued!

Aug. 20, 1933 - Sunday

Tremplin River is a small stream with mostly gravelly bottom.

We did not stop.

The day was clear & the country flat. Whitehall.

All the little "mountain" & higher ridges along the way are timbered in a few places partly cleared, & great cuts between Blair & Ethrick Black River at Ethrick soon in quite a gorge with wooded sides.

A last forest by damming river. The drive from here for a few miles is quite picturesquely, & then we emerge to the edge of the Mississippi valley with the west side very high bluffs, bluffs visible.

1079.5 - over RR. S. 4 Central Cy.

S & S 9.9 crossed river
906.9 RR's La Crosse Indian camp S.

(Lower RR. 1076.1)

Postville	979.6
Quana	984.5
Monona	RR 988.4
Froelich	RR 983.4
Grinnell	55-18-99 4.6 995.4 1/2
Saline	986.3
Mc Gregor	head of str. 1001.1
" hotel	1001.6
Marquette	1003.1
" return	1003.2
Mc Gregor - hotel	1000.4 6 1/2
" N. end	1005.2
#13 los. #18 -	1011.7
#13 & #55 -	1012.7
#128	1021.4
Elkhader	1024.3
Osborne	RR 1030.0
Strawberry Park	1039.4
#19 (#13) Park	1041.0
Leave #10	1044.8
Co. line	1045.2
Bridge RR	1050.2
Manchester	1056.3
Town S	1058.1
Ryan	1066.2
" RR	1066.3
Coggan	1073.3
Central Cy	River 1078.4
Co. farm	1086.4
#161	1090.4
Marion	1092.3
#161-#20 C. Rapids	1098.8
Cravre Cr.	1101.6
Shueyville	
N. Shuey	1116.5
Home	1124.0 1/2

Neither Minnesota nor Wisconsin
are states to be admired. Both
have been exploited

At LaCrosse saw a
Boerner's Dogwood.
The drive down the river is
quite attractive. The high bluffs,
with gullies "pulpit-rocks" are
visible on both sides most of
the way, though the road skirts
the road bluffs.

Sept. 4, 1933 To Mill Creek

Home	0
Red hill line	.8
Children's com -	1.2
Linden Road -	1.6
Butler's bridge	2.3
Jurby Cr. looking	2.0+
Pansy school	3.9
King Road	4.2
Wicks corner	4.6
Bare turn -	5.1
Shimie Road	5.5
Seven Road	6.0-
Turn NW	6.1 $\frac{1}{2}$
No. Liberty Road	7.1 $\frac{1}{2}$
No. Liberty	7.5
Turn N. -	7.6
" E -	8.0
" N -	8.1+
" E -	8.4-
Foot of hill -	8.6 $\frac{1}{2}$
School -	9.4
State Quarry cor.	9.8
River bridge	10.6 $\frac{1}{2}$
Indian Cr. -	10.7 $\frac{1}{2}$
mill	11.3 $\frac{1}{2}$
gate	12.1 $\frac{1}{2}$

Sep. 27 - Dava City - gas $\frac{1}{2} \text{ cu ft}$ $\frac{1}{2} \text{ cu ft}$ 65
 1.65
 3,35
 Sep. 28 - Palmyra, Mo. 1.65 gas 1.65
 St. Louis - King, Long 1.30
 100 miles to H. 67 gas oil 26 1.56
 Sep. 29 - Sloans 1.25 25 50.
 Farmington, Mo. - room, garage, breakfast 2.00
 Cape Girardeau, Mo. 10cts
 Morehouse, Mo. - gas 1.68
 Van Buren, supper, carbonated .70
 Sep. 30 - Room 1.00 breakfast 50 dinner 80 2.30
 Doniphan, Mo. gas oil 26 Pop. 10 1.57
 Pauls Valley, Ok. 65 10
 Forest City, Ark. 1.25
 Forest City, Ark. dinner 90 Supper 30 2.50
 near Harrison - gas 1.68 1.68
 Repair tire - Wayne - 85 85
 Forest City, Ark. 10 10
 Helena, Ark. dinner 90 Supper 30 1.20
 Oct. 1 - Room 1.50 Ferry 1.25
 Breakfast at Tulsa, Miss. 30
 Clarksville, Mo. gas oil 26 dinner 70 2.10
 Shaw Miss. soda 10 cts
 Anguilla, gas - 62.6
 Rolling Fork - cap for gas tank 40
 Vicksburg - Room 1.00 supper 70 1.70
 Oct. 3 - Vicksburg 3.08
 Repair tire & greasing car. gas 1.03 4.11
 Breakfast 40. dinner Vicksburg 1.12
 Fayette sodas 10
 Supper, Vicksburg 32, room 1.50 2.32
 (See end of book for continue)

1st fm. 40.3 5-
 2nd fm. 80.1 6- 200.3
 3rd fm. 100.5 7- 243.9
 4th fm. 140.5
 Sep. 28 -
 Left at 15719. - 6:40 AM
 Home - 0 Moscow Mills Road 2229.2
 13.2 Wentzville road 240.2
 26.7 Gilmore - 242.2
 2 Mount Pleasant #34-49.3 1/2 O'Fallon 248.1
 Zanesville - #3. - 71.8 St. Peters 252.0
 #161 & #61 - 82.9 St. Charles 259.9
 Keokuk, Iowa 92.2 Mo. Riv. { 2. 2. 60.51
 Bridge N. 95.0 3 2. 260.862
 5. 95.2 St. Louis
 Alex Padin 97.3 Shaw park 285.7
 Edward Peterson
 St. Louis 114.8 #99, Long 561 -
 and Cotton Elm 127.7 detour up 296.3
 " town - 128.1 and 305.2
 La Grange. 134.5 Merriman Riv. 305.6
 Taylor 142.3 50% above 145.1 Arnold 307.6
 Palmyra 152.5 Buck 309.4
 Hannibal - Mo. 164.7 Imperial 312.6
 Palmyra - 171.8 Barnhart 314.7
 New London and 173.6 Poverty 4 -
 Frankford 181.7 1/2 320.7
 Bowling Green 194.4 Hieronymus 1. 320.7
 Cypress - 201.4 Festus 4 1/2 324.35
 Golia - 207.8 1/2 20 to 25 1-
 Argonne 224.0 225.9 1/2 350.6
 Ester 356.6
 Farmington 363.5

Thursday

We left home at 6:40 a.m.
and drove S. of #161 to #61
and on the latter to Meadow.
We crossed the river and
drove to Alexandria. There we found
a 26 mile detour between
Alexandria & Canton.

mostly on a wide flat,
then slightly rolling.
Below La Grange this
is much *Phytolacca* on the
rocky slopes which we skirt.
North Fabius river at Taylor
there are practically no
bluffs (just low ones -
ledges of La Grange) all the
way to Hannibal.

Fabius River & So. Fabius
have low continuous
rocky ledges for banks.

Beyond Taylor rather gently rolling
surface - all cut.

Rough at Palmyra. ^{181.} North Riv.
Rough road beyond Palmyra
at 165. $4\frac{1}{2}$ cross slough
South River.

171.8 - Salt River.

Cuisse Riv. at 224.0 - a
small stream.

rolling country all the way
down, with woods on slopes & in
valleys. Soil very red at 235 -
seems to be pebbly above
rock ledge.

Red stuff extends on to St. Louis.

From Long High E. to

Loughborough Ave.

From S. on Virginia Ave
91.8 + 5 to det.

919

We stopped at the Bot. Garden (about 8 miles off #61) and I left my plants with Dr. Freeman, and we then drove south on #61.

The country gets more hilly, places - heavy and with small mountain, and there is tall enough timber. Then it is - really well record with the first at a house house, the second place, at 20 miles. It rained a few inches in the afternoon, & then very heavily.

20
82
45
91
238

Sept. 29, 1933 - Friday
Williamsville - 413.8

He left Farmington, Mo. at 8 A.M. and drove S. on 61.

Farmington (Couch) 364.1 Hayti 14
Kings La Motte 15- 378.6- Canada 6-
Fredericktown 20.5- 332.4- 2
To #34 37- 413.3
To Jackson 3- road 421.3
To Cape Girardeau 8- 422.2
Turn road 34- 430.
Belleville 438.1 91 Blytheville 6-
Kearney 9- 443.3
Benton 7- 449.9 total 238

Moore 5 (road) 454.7 took 60 on road
McMullin 7- 461.1
Sikeston 6- 466.7-
Morehouse 7- PR 473.2 #21 547.1
Grayville 5- 478.4 E 24- 558.8
Hawthorne 2- 479.1 Van Buren 566.5
Essex 3- 482.3 510.3 566.8
Dexter 6- 487.3 487.3 566.8
Dudley 8- road 498.5
Fish 6- 504.8 504.6 504.6
Navy 3- 512.4
Poplar Bluff 515.6 515.6
Bixby 7-
Malden 8-
Rusco 8-
#61-#62- 12.
Buck 261 3-
To #62 3-
Conran 3-
Portageville 5-

Started about 7:15 AM,

Stop at 375.1 -

Collect a few fungi in
woods on loess

This is almost mountain

all the territory to the Fredericksburg
area is rough, almost mountainous,
and was evidently once covered with a
hard wood forest. Much still is, but
second growth.

At 386.7, S.E. of Fredericksburg

Find a few fungi on loess

+ an Aster. Very slight growth

At 389.2, on gravelly open slope

also now found a Hedera +

Corylus?

At 393.6 an opening near

stop along #61 I collected a

lot of prairie plants, + also
a Prairie at edge.

Find a scatter straw on slopes of
creek along road + then grass worn
up before washing takes place.

Stop at 452.3 - South of
Benton, on wooded bank

of Rector. (Michigan?)

Desmodium

+ a black Cyperus

Liriodendron

Populus tremuloides

Fraxinus

Parthenocissus

etc. - Agave just!

From Benton to Rector
country is flat + no native
trees. Many cotton-fields.

West of Rector saw first
rice-fields - but

large candle-like bushes here.

On 3 mi. Spodoptera was shot
from Sept. 19 to begin of 9, (34)

we look at in 5 mi,
we make longer ones &
shorter total.

Some more (not) on flats -
low Siberian willow for
flowers W. of Dandy, N.
Brown beyond, a cardinal fl.,

also Larch, near St. Francis

The river is here a narrow and
deep and somewhat flooded

at 508.9 ^{asked} west of Nye, Mo
along a ditch I collected

Phragmites

Forget-me-not
& Blue Least Swallow fl.

At 509.6 N. of Nye, in
low woods I collected

fungi and a slime mold on
log of the small-leaf elm, (see
spc)

At 525.8 in oaks - beyond
Olea Bluff - on black oak stand
(see account) I collected two
spms of fungi (one red) the
other a Hericium

A beautiful drive on
a winding mountain road,
brought us to Van Buren,
on the banks (or bluffs) of the
West Current River.

We then drove 4 mi
on [#] 103 to the Big Spring
State Park. The huge
spring bubbles up & forms
a good sized stream of
clear water.

I dredged in the shallow
edges of a slack part of

this stream, and collected
following:

Goniobasis ephemeris 100

Physa

Convolvulus 1

Plantago triandra 1

Pisidium few

We drove back when it
became too dark to see, &
put up at
Van Buren.

Took care of plants & notes,
looked over notes, and Bill
Magie did the plants.

6:34 P.M.

652,3
Moorhut

Sep. 30, 1933, Saturday,

Van Buren 576.2

F 103

Big Spring -

Van Buren 585.4

300 593.1

421-16 604.7

Hunter-6 608.1

Grandin-5 612.6-

42-16 626.8

Boniphant² 629.1

Current River 630.2+

#42 631.0

Poynor-Moyle 640.7

State line 640.6

Middlebrook, Ark. 640.6

Maynard 647.3

Brockett -

Pocahontas #10 659.7

Birrara 666.1

BB

Walnut Ridge 673.7

180 acre 675.3

Engaged 689.0-

#18 692.4

Jonesboro 708.5

121 4103 to Helena

Left for Big Spring at 7:35

The day is bright.

We found great number of Gouldia
on sand on the river & on rocks,

Stomoxys, etc. in the Big Spring
stream.

We found two *Amphelasma* species
on sand in river (shallow place)

Dredged *Passidium* *Myzocaulis*
& *Crinivela* right along edge
of Big Spring stream, in
quiet place in fine sand.

Also *Phrya* on plants, sticks
etc. in water.

The spring throws up a
great volume of water, enough
to make a big stream.

It is at base of high ledge.

Water looks like hot indigo
blue in pool (edge)
also picked up a few plants
mostly ^{various} *various* *rocks*.

Left Park at 11:50 am
in fine day.

The C.C.C. camp has cleared all
undergrowth in last valley.
No improvements!

At 606.9, on #21 - Picked up a
Polygonum along road. The ground
was found to be below timber
in very poor condition, a road
graded & cut up during rains.
The first few miles of its
continuation in Arkansas were
worse, however, for the road is a
narrow country lane, winding
mostly on ledges, and there were
only ledges & stones on the road.

This extends to Maywood, - then a few
gravelled roads. Had a private boy at
Maywood, & a storm was threatening.

(after leaving Pocahontas) The
country is very flat but not
swampy.

We drove to Pocahontas, a
typical Arkansas town, and then
the fire abated. We then
drove south on #67.

At Hoxie we took #63
for Joplin, and the last 6
miles over a narrow, deep
creek, with narrow bridges and
deep ditches. We passed some
cars with difficulty. Back
feathering in the ditch we
passed a cotton swamp,
with many trees standing up
in multiple roots.

All along, since we struck

Arkansas, the country looks
like poor farming country.
We did not see a single
good farmhouse, - all just
shacks, - but with plenty
of children!

So of Pocahontas we saw
many good examples of hand
girdled trees with corn
or cotton planted among
them. Cotton is a common
crop, and we saw too big
(long) loads being hauled to
the gin at Egypt. There
is here also a little
log-shack marked
"first will".

Negroes are frequent, but

we saw more white faces
every wagon which we
met or passed (all drawn
by mules) was loaded with
men women & children.
This was Saturday afternoon
and everybody seemed to
be taking a holiday.

The people are all busy &
there are few fields (very
weedy), there are holidays,
there are roads and
the snow melted and
bright sun.

We drove to Jonesboro and then
up at the Homestead Inn.

This has been a hard day for
Margie, hard driving over
bad roads.

66 to Forest City Tax in Ash m.
43 to Helena 7 + a fraction

Oct. 1, 1933 Sunday

Jonesboro 708.5
RR. 713.2
Harrisburg ³ { 730.6
Whitehall ⁶ { 732.2
Hydrick ³ 738.5
Cherry Valley ² 744.2 $\frac{1}{2}$
Vandalia ⁶ { 751.3
Wayne ⁶ { 751.4
Coalt ⁷ 759.4
Caldwell ⁴ 766.4
Forest City ^{#70} 770.3
Madison ³¹ - 776.4
Forest City ^{#1} - 779.9
Bonair ⁴ 783.5
Haynes ⁴ ^{rept} 792.0
Clifton ⁵ ^{3 in} 798.2
Marianna ⁴ 801.1
Lexa 11
Barton ^{#70} 816.0
West Helena ⁸ ^{rept} 823.0
Helena -

I arose a little after 5 a.m. & cleaned up & worked on my notes.

It rained a little at night the morning is clear.

We started So. on to Hwy 7:50 A.M.

About 15 miles S. of Jordan after running on Crowley Rd. from mile 10 on we saw a lot of Pines

Soil not gravelly mostly at 72 q. still pine scattered

at Harrisburg we ran off the ridge again on the flat to east.

Gas station closed at Harrisburg & we had to go back to the log cabin sta. at the cross road North

to get gas. A traveller who stopped at one of the stations said he guessed "the Eagle got 'em" - the K.R.T.!

We follow the R.R. in W. side for a long distance

Beyond Cold we ran into slightly rougher territory. Rather flat from Caldwell on. The ridge is east, a timbered.

S. of Forest City we travelled on flat to near Helena. Much cotton as plant all along here & to Helena, but much of it is very weedy, with patches apparently with no cotton plants.

walk W. from end of bluff
at Madison mtn to there
are deep cuts through a yellow
hard stuff - 15 ft or more deep
no fossils in the

Here is yellow with gray streak
(lime from rock) we sample
No. 1 - Far E. side of slope - deep
cut - 18 ft. 2 in. b. ft. from base

Further up the hill on top
gray bed with montane affin
& grass up into lower reddish
layer. Saw only fragment of
one ovalis hor.

We drove to Helena and after
lunch here we drove to the White
lens exposure on the S. side of
Porter str. just W. of 1st str.
We collected one box of shells

exposure at N. end
of

"What you all lookin'
for - shells"?

Poplar

Porter

Porter str

Elm str

we then drove to the ^{W.} end of
Elm str. to big cut facing
Poplar str. Here the gray
lens is filled with shells,
one being visible away up on
the face of the vertical wall.
There are many short shell-
bands of broken shells, & also
several cavities in the lens with

flat bottoms.

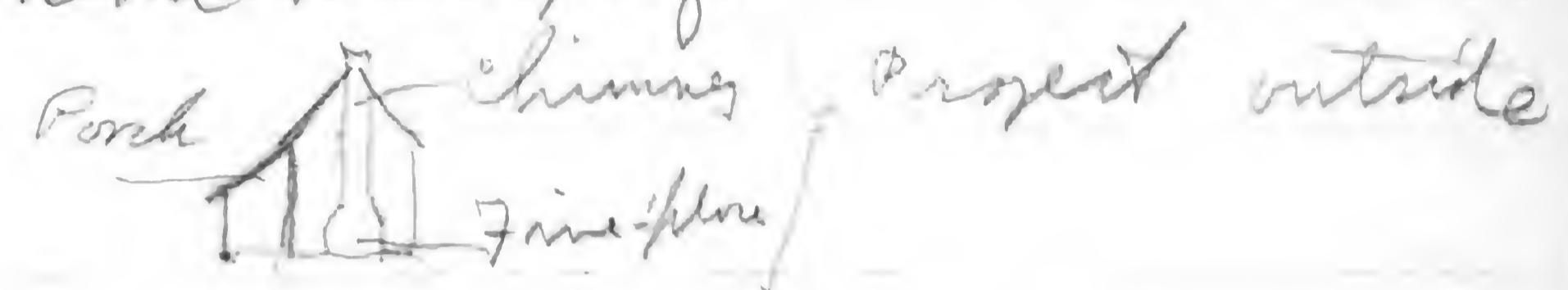
Here we collected a nice lot of big *Polygyra albolabis*?, etc.

We collected a few locusts at the N. end of Pop. sta. also from a few *Acacia gossweinii* on the moist surface of vertical banks of loess.

Put up at a private home
near Celina and wrote
notes in the evening.

Arkansas is not a very
progressive state. Few good
farm houses were observed and
they were mostly near Helena.
Most of the little farm houses

(both for colored people and
poor whites, are built loosely of
unpainted boards, and mostly
on one plan, viz:



They charge over 1 cent gas-
tax, but all they give you is a
bunch of bum roads.

West Helena seems to be a
wood products manufacturing
center. We could smell smoke
and pyroxylin acid?

189 mi. to Vicksburg

9332 Leland 812.4

956.7 $\frac{1}{2}$ end paring.

Oct 2 1933 - Monday

We left ^{Ferry} at 7 am, and crossed into Mississippi on the ferry. This runs every hour from 6 AM.

All the way to Vicksburg the river banks are high, but there are no timber.

Beyond the bridge fence there are some fine clear cotton fields, much better looking than those in Louisiana.

The stepping stone at Leland was the poorest we have had in our two summers of longer trips. Rabbly + not even think (broken down)

The morning is quite cool, with cold wind

Helena, Ark.

Barry-Wise-

" Edge - 832.8
" ²⁰⁰⁰ _{6m} 837.4
61 - 6m

Lula { 841.6 $\frac{1}{2}$
841.9

Roseaces. 845.3

Cochrane 10 - 851.4
Kosciusko, ^{RR. rd.} 853.9

Gloverville 7 868.1

Clintonville ^{5,000} 6049 { 864.2

Gravelford 820.0 { 864.8

Boligee ^{5,000} 834.6 { 874.1

Alligator 12 1.

Hushpuckham 8.8 87.7

Shelby ¹⁴⁰⁰ 4 89.1

Wyandotte 3. 894.8

Wauz Bayou ^{RR. rd.} 6 897.4

Marigold ^{RR. rd.} 3 900.1

Renova ¹⁵⁰⁰ 904.2 906.4

Cleveland 6 ¹⁵⁰⁰ 906.4

Southure ²⁵⁰⁰ 906.7

O'Reilly 3 = 909.5 $\frac{1}{2}$

Shaw ¹⁰⁰⁰ 8 912.3

Chocaw 3 921.5

Helm ²⁵⁰⁰ 925.5

Heads ²⁵⁰⁰ 7 931.4

Leland ⁵⁰⁰⁰ 5 933.2

Arroba ²⁵⁰⁰ 10. ^{RR. rd.} 937.2 $\frac{1}{2}$

Hollandale 7 943.3

Hollandale ⁴⁴ 7 947.3

14 951.0

Perry 6 955.9
Blanton ^{RR. rd.} 959.1
Nitta Yuma 6 962.4
Anguilla 4-966.0

971.5

Rolling Fork ⁵⁷ A

Egremont ^{RR. rd.} 4-975.4

Blanton 7 983.5

Valley Park ^{RR. rd.} 8-995.1

Redwood ^{RR. rd.} 13 987.9

Wauz ^{18,000} Bayou ^{RR. rd.} 1018.5

Vicksburg ^{RR. rd.} 1018.5

Mayo Riv 1006.7

The bottomland opposite here...
has a timber growth (rather
young) all over it.

We stopped at 846,2,
beyond Roseaces, Miss.
Here in a sluggish stream
I dredged a lot of *Uria*,
Cambarus (Cambarogn)
Assimilis, *Varians*,
Planaria, etc.

The Miss like Caledonia
had few of the beauties
gravid, but all those of
Miss Gallicana were
nearly gravid.

There are cypress trees
with trees on flat
meadows, with grasses.

There are cypress trees all along
the streams & draws, and in one
place where large trees had been
cut (trunks are still thin) there
were great numbers of small
cypress trees standing.

Much cotton-picking, many gins,
many gins.

In several places small
chimneys were built on a
wooden shelf - also outside, & did
not reach the ground.

We passed through several
smaller towns, and all
seemed to have cotton-gins.
All the territory through
which we passed today
is cotton country. Most of

the plantations are much better kept than in Arkansas. It is especially noticeable that they are not weedy in most places, and the cotton looks better.

Some of the cotton is still green (the latest var) and seems to have little in the way of bursted ripe bolls. Some fields seem to have the plants stripped of the leaves, by some insect?

Everywhere now the dusky cotton pickers are in the fields, dragging their long bags slung over their shoulder. The cotton is then collected

by Teamsters driving wagons with high wagon boxes. The cotton is hauled to the gin house in these wagons. Late in the afternoon we had another flat tire. This makes one each day these last three days.

We were still some 30 mi from Vicksburg. But no place along the way for repair.

We drove to Vicksburg, put up at a private home, had the car greased, ate supper, cleaned dress, wrote notes, and went to bed. (For additional notes see next page).

all the territory between
the Helene Ferry Landing &
the place where #41 crosses
the Yogo River. A great
alluvial plain, extremely
fertile.

In several places especially
below Island, a few
several acre lots, with no
fine trees, and some houses.
Some of them houses quite
of small parts, resembling the
old slave-quarters in the old
plantations.

103 6.4
103 1.5
103 2

103 1

1069.6 - A small slough
1072.1 - Another ~~river~~
Oct. 3, 1933, Tuesday

18,072 (Yokna R) ^{#80} 1019.3

Rooming-house
Kichslburg

¹²³³ Woodville 15

National Cemetery 1021.2 Turnbull 6
La

2.000 new 80 1031.3 Laurel Hill 5

Kichslburg ^{#80} ~~#61~~ 1036.4 Wakefield 11
La ^{#80} 1039.8 ^{1/2} _{return}

Glass 11

Bains 6

Yokna 2 - 1050.3 ⁷⁵² ₄ Road 3
(Big Black Rv) 1056.17

Oaklawn 17

Angola ^{20 mi?}

Post Gibson 5 1072.4

Road 161

Russell 7 1079.5 ⁴⁹ Road

Lorman 5 ^{NR. 07} 1084.2

Road

Harrison 7 1091.4

Lindsay 12

Fayette 10 1093.5

Scotland 14

(Curves) 12 1103.7

Belmont ^{on RR} 1117.2

Cannonsburg 1119.6

Baton Rouge 2

15192 Hatchey 7 1125.8

near 93 rd

Bridge on Main 1126.3

water

Main Canal - 1126.4

Canal & RR 1126.9

Ireland 18

Wilkinson 12

119.3 - A creek.

After breakfast we drove through the National Cemetery and into the Park. Countless markers and monuments commemorate the leaders in the Vicksburg campaign and the location of troops.

Followed the old Jackson Road. In cut along Jackson Road this 5^(W) ₆ (beyond the Illinois Memorial) I found a ^{small} lot of fossils scattered thru.

In cut E. of Memorial - larger I also collected a cut.

Another at 2nd larger cut E. ^{5.1 miles E. of #61 - 193} the entered new Jackson road in long cut sloping gently to W - cut at least 10-20 ft. deep. There were shells scattered all through. Part of this was very

hard. This cut ends (W.) at 1034.1 miles - on new Jackson Road. cut is layer of yellow loess (gravel & sand below - probably no fossils)

At 1034.2^{1/2}, on W. side of same rather shallower valley there is another deep cut - about same, sloping down to E.

This also has shells scattered throughout. See 2 boxes (marked 1034.3)

At 1115.1, gravel shown below 5 or 10 ft. of loess

Some of the cuts, especially eastern, seemed to have no fossils, though a close examination revealed a few in most that were examined. They

shells are scattered throughout the deposit

had first glimpse of Tilledia on upland trees just below Vicksburg. The bluffs below Vicksburg are rather low and near the End of Road #61. The road is E. of the old Cent. RR. Small to 1048.8 - runs on W. side RR. At Yekana the road turns up on the bluffs & runs inland.

At 1055.1 we ran out on flat again.

The Big Black River is a sluggish stream, now, yellow.

After crossing it we cut into slightly higher terraces, but there no bluffs. Loess shows in banks.

1060.5
1057.8

20.66

(3.8 mi S of Big Black River ^{on #61})

At 1060.5 there is cut about 6-10 ft deep by which I found a few fossils, (6.4 mi W of Fayette) at 1099.9, at 20.66 ft low cut on S. slope at bend of road N. of Cannonboy, fossils scattered all through. Even very hard in places dry. (see point)

There were many cuts along the new Jackson road and also where we cut into highlands between Vicksburg and Hatchie.

It is all yellow loess, occasionally gray below, and the fossils are scattered all through yellow loess and are nowhere numerous at any one point.

Much of this loess is very hard when dry, and the shell break easily. I collected lots as noted.

We drove to Hatchey, secured our mail, and then drove south on Canal Str. & its extension, to the R.R. near the Gov. Engineers station. I collected shells in the last cut near the R.R. Here the loess appears in the last cut also the road, and only in the upper part, the lower showing the red clay-mud loam & even gravel below.

We drove in, had supper & found a nice stopping place in a private home, found for us by the lady who runs the Swaggy House.

The lady's husband was from Ashley, Iowa, and has been an Ill. Cent. Agent there, at Waterloo and Dubuque before being transferred south.

We changed drivers and I wrote up my notes, etc.

This has been a productive day. Quite warm, mostly clear, with a good breeze.

From Hickensburg to Hatchey we drove on #61, which is poorly gravelled, and is a narrow, winding road, leading through woods and over rolling or rough country.

The Engineers plant a little beyond of Canal Str. Extension, is $2.3\frac{1}{2}$ mi. from Main & Canal str.

1211.3
 Oct. 4, 1933, Wednesday ^{1213.7}
 We had a nice stopping place.
 After breakfast we drove to the
 depot & left the car. First
 worked the big cut just W. of
 the depot (on N. side) & picked
 up a lot of shells. N. of cut
 trees at most 30 ft. high.
 Yellow Gambelion covers slopes
 suddenly above. Below I
 could see about 5 ft. of
 somewhat gray (see marble)
 & fossiliferous to very thin
 It rests on the red clayey
 layer. Have 3 boxes of shells.
 We then went to the big
 cut along the R.R. hill.
 Here the loam is vertical,

61 mi. to Angola road -
 to Angola ^{1692.2}
 28 to Baton Rouge ^{Whitman}
 93 (down) to New Orleans
 Hatchet ^{1694.2}
 Cor. Main & Canal 1134.7
 1 block S. of (as we came in)
 Main & #61-1135.3 ^{1, 56}
 Adams Center
 Island 18-11
 Wilkison ¹² 1164.6
 River ¹²³³ 1165.1
 Woodville 10-1175.1
 Burnell 6-11
 state line # 1183.12
 Tunnel Hill 5-11186.7-
 Wakefield, 4-11 11908^{1/2}
 Brothers 1191.4
 Bains 6-11.1195.9
 (Angola road)
 Junia 1214.7
 Angola 12-15.8^{1/2} Prison farm
 Back to #61-17
 Brown ^{1235.8}
 Lindsay 12-12 ^{1237.5} 1239.4^{1/2}
 Scotland 14-12
 Baton Rouge 2-12
 1251.0 PK

probably not over 15 or 18 ft. thick, with red layer below and then loose sand which comes freely and drops the loam down.

We collected a lot of shells, two boxes full.

We saw some very tall sunflowers that look like *Helianthus grosseserratus*. We measured one, 12 feet high, but it was by no means the tallest. Some of them surely measure more than 20 feet in height, ^{margin} of ~~up to~~ a puffy ball.

We went back, did a little shopping, and after dinner (about 12:42) we started south.

To 1150.5 we drove on a very winding road with many cuts - mostly in deep woods.

At 1165.1 crossed a small river clear with sandy bottom at 1171.9 took Pinus con. & leaves.

At 1178.5 I got more cones - somewhat smaller.

At 1210.1, on road to Angole, La a cut 12-15 ft deep, of same type as at Vicksburg, (also hard) shows shell scatter all through. Slopes 30° (down)

At 1201.4. 2 cuts with shells.

At 1204.4 $\frac{1}{2}$ with deep cut at the

1217.3
1214

At 1214, 7 - Tunica, La.,
a fine deep cut - on N. side
shows 12 or more feet of loam
& red layers below

Shells scattered all through
& quite abundant. Collected
4 boxes.

Return - E. of Tunica -

At 1217.7, in smaller exposure
I collected a small lot of shells.

At 1217.7½ - a cut 10 or 12 ft deep
Few scattered shells (not lot)

At 1220.6 - bushes of *Polygonum*
- along creek (1 yd.)

At 1222.6 a very pretty bed
of water Hyacinth in flower.

Took 3 sp.

We drove to Baton Rouge, and
after some trouble we located
at a private rooming house

I changed plants & fixed
package for shipping.

Went to bed at midnight.

A wonderful day for loam
shells, both at Meridian
and Tunica.

1217.7½

1214.7

3.4

Hotel Monteleone
Rooms

Oct. 5, 1933 - Sun

We repacked, attended to
repairs, mailing plants, etc.
The day is fine, clear, but
warm, with a nice breeze.

Baton Rouge $\frac{7}{18}$ #61 1299.4
Hope ^{ville} 1295.0 - began new air line.
Gonzales 1299.9.
about 1319.8 - older pavement again.
Baton Rouge 1330.5 $\frac{1}{2}$ (La Rose)
From to
Air line up 338.8 Town
road 1340.1
Air line - 1350.6
Kenner - 1350.6
#61+ Canal. 1359.3 $\frac{1}{2}$

Saw much of the brush (cat tail) grass
also in the swamps cut off
great quantities of Water
Hyacinth, - patches in bloom,
just began cut off we saw
fields of sugar cane.
The whole area is very flat,
saw crowd of negroes with long
cleaver-like knives, - to cut
cane. Bon Palmetto.
Large fields of sugar cane.
At 1333.2 I collected (on horse)
a Helenium & Argemone (St. Nolens)
Began return to air line
The trees or brush rods are
over with Lithospermum, -
and many dead. Several
miles of this. To 1346.8

Great row of palms (royal?)
down central portion of Canal
str.

New Orleans has fine avenues
(in newer parts) & also fine
public buildings.

The old French town streets
are narrow.

Took Room 809 in the Jungs
Hotel - on Canal Str.

Started on sight-seeing trip
Along Canal str.

Old French & Spanish quarter
Starting at 1 PM

Ran up on building - 25 stories
(St. Charles Hotel)

Lowest part of city is 6 ft. lower
than Mississippi

Has no a pumping system
for sewage.

went through French Quarters
See Carondelet fence at
La Tille's house.

Porchs project everywhere with
iron posts.

Went into one of the courts

Mr. Barron, fig tree, 26
some of streets paved with
cobblestone used as ship ballast.

Jackson Square - a Park
Jackson statue on horse
Opposite is St. Louis Coliseum
139 yds. -

also fine museum the
old Spanish Cobble.

Visited the museum - may see
Latell's well - Well with
cobbles - Bricks about 2
feet apart -

Went into St. Louis
Cathedral - 3 altars

saw Gen. Beauregard's
home opposite the Green

now used in part for
Catholic Grammar School
Saw Old French Market
Front to the docks on river
front below closest to
river - Iron porch & railing
St. Louis Cemetery 21 - about
the went to # 2

Also looks at # 3

Went through the fine City
Park - tennis, golf, baseball
& swimming. Also across
a fine avenue of Palms
Same "suicide oak" - big
live oak - 13 suicides

Also dead oak

Living City Park Ave
McDonald, his approach in

love, fully shot - also your park

Date palms in Park were in flower.

West is richest country. Metairie country - built up earth banks & dug a. Then very expensive mansions. V. autos cost 5 to 85 thousand.

Owned by private association. Fontainebleau ^{ave} (fon-ten-blue) a beautiful drive through best residence part.

Then drove along Broadway Ave. Here are buses and trolleys.

The trolley comes out to Corb. St. Charles Ave., road of exclusive residential district.

largest in city

Anderton Park - 3000 acres

Audubon Boulevard - Private

Julacque ~~Residence~~ is off park, off entrance

Audubon Park has a fine Oak Drive. Height 66
6 ft. in diam

The old tree is opposite
Robert E. Lee Monument

Office, with Lafayette
square opposite

Jefferson Davis Oak
of park with Tabby
Banks - Hibiscus (largest)

American
Federal Reserve

We took a walk on Canal St.
in the evening & bought cralines,
a sugar candy with pecans -
the creole candy.

1427.2 - Logtown and
1466 - Beloxi

Oct 6, 1923 3rd
We started from the
Jung Hotel at 7:45 ⁵⁵
AM, & drove east on #90.
A beautiful day, - clear &
pleasant.

Stopped at Green's Ditch, Lake
Catherine Lake, & got an oar
fisherman (from Jefferson) to dredge
some - (cans) for me.

At 1388.7. - They were dredging
in shallow water - 6 or 7 ft. salt water.

At 1398.6 a small grove (pure) of
Pines. Also scattered some
farther on.

From here we ran parallel
to RR. Road is west & N.
all the time on flat.

3

Jung Hotel	1362.2	State line, Ala., 1508.1
#90 turn E.	1363.2	Grand Bay ⁴ 1511.7
Talk for bridge	1380.3	Irvington 1518.5
Short bridge	1384.0	St. Elmo ⁵
Green's Ditch	1388.7	Theodore ⁷ 1522.9
2nd bridge W.	1392.9	Mobile ¹² 1537.1
E.	1393.7	2nd ^{2nd} 1549.5
Village crossed	1400.7	Cochran Bridge 1549.5
Mobile (Hotel)	1402.8	RR. 1402.9 1549.5
Altton (sta.)	1407.1	2 nd bridge - 1549
Pearl River ^{RR} sta.	1410.0	Abbeville 1552.5
Pearl river bridge	1410.7	E. Pearl River ^{RR} 1414.4
E. Pearl River ^{RR}	1415.9	#31 to #20 1555.1
		#3 1565.5
Bay St. Louis	1442.0	Stapleton
W. end bridge -	1443.1	
E. end bridge	1445.1	Bay Minette 1576.3
Pensacola ^{A. School}	1448.3	Escambia 1583.7
main pier (rock)	1448.7	Diggs
E. end bridge	1451.4	
Gulfport	1458.3	Perdido
Biloxi ⁴ ^{5 miles}	1466.0	
town to town	1470.0	
Bridge over d ⁿ	1471.7	
W. end bridge	1473.7	
E. " "	1475.2	
Ocean Springs	1476.2	
Pascagoula	1493.5	
Worse ^{ATL}	1497.3	
Orange Beach	1502.5 ^{RR}	

Evans
(cont'd)

Many young pines on cut-over
land N.E. of Alton. A lumber
territory. Saw large cult. persimmons.
Many seedling pines in cut-over
land at about 1417 etc.

Also at 1418²⁰ etc.

Pine grows also 'over'
fine young growth at 1424 etc.
& to Bay St. Louis

Stopper at 1431, for plants,
this is a cut over flat
& a part of the material
came from wet draw
along road.

See Specim.

There are rather large open
prairie-like spaces; look like
prairie. (See my plants)

Saw few pines back of Turpentine
at Pans Christian a fine
shore drive with view of
cottages & evidence on opposite side
The drive along the beach is
fine. Beautiful live oaks, magnolias
& palms.

Live oaks all along beach &
pines in background mostly
small pines abundant on
cut-over land E. of Ocean Springs
Saw several persimmon orchards
mostly stripped & losing leaves.
Some fine shrubs very fine.
8-15 ft high

At Orange saw a lot of
Spanish Moss on pines,
pines all across Mississippi,
and into Alabama.

at 1509.8 in Miss. picked up a few plants. The yellow legume is a weed.

Mobile has palms, live oaks many trees

Row 90 & 5 others go through main part of town.

After leaving #90 and 31 we entered somewhat rough country, with scattered pines etc. We had supper at Bay Minette, Ala. & drove to Atmore (22 miles) after dark.

We put up at a rooming-house the "City Hotel". Printed plants & wrote notes in evening.

The trip across the head of Mobile Bay is peculiar. We first crossed on the

Cochran toll-bridge, then had a long drive across the lowlands, drove along shore of Mobile Bay, crossed two more bridges, and then ascended to somewhat higher ground, where #31 leaves #90, - the latter for Pensacola, the former for Montgomery.

The flat opposite Mobile's end up big lagoons.

Saw 1 dark Pelican.

16 lb. 4 back to Ala. line

Oct. 7, 1933, Saturday

Started at 7 am. Drove to Bluff Springs. Collected a few fungi on logs, found lignite. Met Mrs. Chen & a boy to get clams in the Escambia river. Collected plants & fungi. Drove back to Atmore. Many small pines between Flomaton & Atmore.

Going N. on #11 we pass the State Fair Farm, a well-kept place - long tract. The cows do not wear stripes, but have white muzzles (single)

At about 1659 the country is red, cut-over, rough, but small pines are everywhere.

Atmore, Ala. 1597.3

Canoe ⁴/₅ 1602.3
Waubuck ⁰/₅.2 1611.5
Flomaton 9 ^{RR} _{#31} 1612.2
Century ^{RR} _{State line} 1612.4
Escambia ⁴/₅ 1614.0

Escambia ⁴/₅.

Century -

Bluff Springs 3 1617.3
RR. 1617.9

Back to ^{RR} _{State line} 1626.5
#31 1627.2

to Atmore 1641.4

as west 1647.0

Flomaton 1650.9

Atmore - 1661.7 ¹/₂

Trace City { 1673.2
1673.4

Monroeville 1680.6

Pondsett 1682.5 ¹/₂

old farm 1687.1
Clarendon

Gas station 1687.7

Burdette 1689.3

Fork 17

Monroeville 1702.2

Saw a fork of Turkey, buried
now one can see now.

Stopped at the Creek Gin &
watched process of ginning &
binding of a bale. Saw
drops out. Sold to oil mills

Short-staple cotton only,
grown here. Long-staple mostly
in Oklahoma. Brings better
price, but crop is much less.
Sugar-cane grown only for local
use - grapes.

Cotton & corn chief crops.
Cotton bring from below 8cts
here, but has been as low as
5 cts. in other places. Now
is 9 $\frac{1}{2}$ cts. here.

at 1675.4 Mr. F. McCity
ala. thinks - less & acorns

at 1677.2 I collected oak
acorns & less (narrow, but some like)

We drove to Claiborne, - once
a prosperous town, now a remnant.
We drove to the Banks home
and Billy lead us to the

interior fossiliferous beds.
He collected a lot of shells
and Billy gave me a lot
more, - among them Turritella
(Pleioceras?) from alluvium.

Left along the Alabama.
The shell-bearing stratum
is thick & rises high above
the river in cliff on E.
side of the Alabama.

I also collected a few
plants and Billy got some

"periwinkles, and also a few lams.

I also collected a few plants. The Gomphocarpus were on rocks, while the Iris (like anastondoides) was near water's edge in sand.

We purchased a Jardeau's Billy Hawk's gave me an old corn-sheller.

We drove back to Morrisville and spent the night at a private house.

The country between Clarendon and Morrisville is quite rolling, and the soil is red.

At Clarendon they told us

that Clarendon once had 15,000 people, & that a yellow fever epidemic practically wiped the town out.

Our land-lady at Morrisville, who said her father lived at Clarendon, said it probably never had more than 1,500 inhabitants.

That she never heard of the yellow-fever epidemic.

Our land-lady at Morrisville was a Calabrian lady, and the almost all Southerners whom we encountered, extremely anxious to please. Southern courtesy was very where displayed.

415 Washington

Monroeville	1702.2	Forest home	1778.9
W. Memphis	1705.0		
Park Hill	1715.0	Greenville	1791.9
Clarkson Park	1718.1		
" Stone	1718.6	H. Deposit	1805.6
Purdue Hill	1721.8	Davenport	
Monroeville	1734.2		
Peterson	1740.0	Moseley	
Tunnel Spgs	1744.2	Montgomery	1843.4
Beatrice	1751.5		
Vinerville			
Midway			
#10 —	1772.0		

Oct. 8, 1933, Sun
 another fine day. We packed
 (material, etc) and started towards Selma
 Drove back to Clarkstone to get
 hoe. At 1712. we wound
 up bottom I collected fungi on
 fallen log.

Got the hoe & went to ^(will be) Clarkstone
 creek, a mile above Clarkstone
 Ferry. (Billy Banks, Clarkstone, Ala.)

We collected some Unions, a
 lot of fungi & some plants.

The red berries came from a red
 tree, *Pop. ciliata*.

The fungi marked "from oak"
 were collected on fallen branch
 of the water oak (see box, above)
 (We then drove back to
 saw Palmetto, etc.)

Monroeville, and after eating
 dinner, (late) drove to Montgomery
 at 47, #10 and #31 and stopped
 at an apartment house at
 no. 415 Washington st.

Had supper, changed dress,
 wrote notes and went to bed.

(Bridg 1853.)

Oct. 9, 1933 Monday

We stopped at C. B. Lewis, w. 415
Washington St., Montgomery.

After breakfast we drove to
Wetumpka. We crossed the
Tallapoosa Riv., - a red stream, &
drove to Wetumpka. The Coosa
here has rocky ledges along its
shores, & there are rocks in the
river. Mr. Stoddard, a local
carpenter, said there were few
mussels & "Penncyclopædia", but you
could get them only when the water
was down. It rises & falls above Maplesville ^{RR} 1926.1

6 ft. here, - on account of power
dam above.

We drove to "Cooper" & turned
E. on #22 to the ferry

Montgomery 1843.4
return to Wetumpka 1845.9

Elby (Prison) 1848.0

x Wetumpka 1860.2
return (Coosa) 1862.7
Selma fork, 1869.9

Elmer 1871.7 ^{1/2}
" RR, etc 1872.5
Mobile 1876.

Elmer

x Coosa Riv.
Wadsworth
x Warhington ^{RR, etc} 1885.1
#31 1886.3 ^{1/2}
Verbeua 1889.5

Cooper #22, 1891.0
Coosa Riv. (Troy) 1897.0
Cooper 1903.5

Elmer #22-1911.3

Plantersville ^{RR} 1926.1

Plantersville 1935.8

15,589 RR, etc
Elmer #43 1955.5
Elmer #80 1955.6

Sprott

Heiberger

across the Coosa. The valley
here is picturesquely wooded
hills & ledges, & the shores
are sandy. Water reddish.
Saw one valve of *U. ariodontoides*
the shell. Boatman said
there were a few mussels &
'periwinkle' at the dam, about
2 miles above, but there were
very few in the river.

The power dams have about
ruined the river for shells.

We drove back to #31
(Cooper) & on to Clanton,
then by #22 to Selma.
At Selma we put up
at a private house, -
Zorada's Place.

This was about the poorest
day that we have had.
The lower Coosa is not
very promising, though -
perhaps we might have
faired better if the water
(had been lower. They
tell us that the water
(from lower dams) drops
feet in the morning
but comes up again later
in the day.

Oct. 10, 1933 - Tues

We stopped at Goradia's Place, Selma
We drove to Whitman's swimming
pool. I collected old clams,
some plants, & fungi & lichens
from rocks. The fungi on
rocks when on water - brown
ish

We drove on #43 across the Cahaba
beyond Bapoth. The valley is
broad & the river a dirty yellow.
The stream on bottom, gravelly
without rocks & with some logs.
We followed #5 to Centerville

at 2013.6 - a creek with deep
pools yielded shells, - *Pisidium*,
Amnicola, *Planorbis*, etc.
Haysup Creek - is the name

Delma 1958.1
Whitman's pool 1962.0
Selma #34⁷² 1965.7
... 2000 ft #43 1966.1
Lve. 80+8- 1967.5
Felix 1980.0
Sprott Cahaba 1991.6
Fork #5 1992.2
Haiberry - 0.0 1993.6
Harrisburg 9, 2008.2
R.R. & sawmill 2014.5-
Cahaba R 2016.1
Centerville " return #25 2016.8-
Six Mile 10 2026.6
Ashby
Brierfield 4 2035.8
Wilton 4
Montevallo 2 2037.3
Cahaba #314 2040.7
Columbiana¹⁰ 2054.5

at Centerville

Stopped along Calumet River,
Collecting old ruins on bank &
small rocks!

Also some fungi & a few
plants.

We drove to Columbiana on
#5 and #25.

We put up at Mrs. Franklin, the
restaurant man who has a house
next door to his wife.

Left the car to be cleaned, ate
supper, cleaned drivers, wrote
up notes and went to bed.

The lower courses of both
the Lossa and Calumet were
disappointing. It is
evident that the rock
field in both cases is in

the upper courses of these
streams.

The region through
which we passed is all
red-soil. The natives
ascribe the yellow
colored condition of the
Lossa and Calumet to
the "Georgia hills" but
I found the soil in every
of the Lossa, at Wilmore,
fairly clear.

Oct. 11, 1933, Wednesday

Packed & drove to Wilsonville via #25. The country here is rough & higher peaks are prominent.

We stopped at McTowans Ferry & young Dewberry took me to the rapids on the Coosa 1 mi below the ferry.

On the way down we collected ^{4-5 Bear Campelman} Morris and Pleurox, along shallow sandy edges of the river, and then collected a lot of Streptomatidae on rocks in the rapids below McTowans Ferry.

Dewberry will get more shells for me.

Cahaba River at 2096.9
Fish hollow 7.
Columbiana 2054.8

Wilsonville 2063.9
2-7 am 2064.1

~~Coosa (2063.4)~~
#25 return 2066.5

Wilsonville 2066.8

Harpersville ^{2075.3}
~~2075.3~~ 2075.3^{1/2}

Fairfield ^{2075.3}
~~Fairfield~~ 2075.3^{1/2}
2075.3^{1/2} 2106.2

Cahaba River
#64

Leaching -
Black Warrior River 2127.0

Morris' 10

Imperial
Black Warrior River 2127.0

Waco 3-2129.3^{1/2}

Cloud Spring 6-21 36.0

Ranger 3-2139.1 or 40.

arden City 8-2150.0

Gainesville 3-2152.7

Cullman 7-2159.2

Coosa 14. 2173.8
Hartselle 2-2176.0

Hartselle 5-2181.7^{1/2}
Decatur 12-2194.2

45.4 bridge
- 46.2

We drove to Wrenville &
finding no restaurant we

then drove on # 25
to Yellow Leaf Creek
at 2069.5-

We gathered a lot of *Platyodon*,
Intostoma, *Brochus* etc., etc.,
on rocks at the edge of
Yellow Leaf Creek. The
Intostoma were mostly under
the large rocks.

This was a rich local and
I will ask Dewberry to come
here also.

The *Platyodon*, etc., were mostly
on leaves, rocks, etc., in shallow
edges of creek.

all were collected by hand
as the bed is too rocky (large
angular stones) for dredging.

There are rocky places and
deeper pools in the creek, and
undoubtedly many more shells
would be found if a more
careful survey of the creek was
made. As it is, this proved
to be one of the best collecting
grounds on the trip.

We followed # 25 to the
junction with the Birmingham
out-off, # 64, a well graded
road.

This proved to be a very
pleasant drive, as it carried us
first into rolling country, and
then through low mountain chain
to Birmingham. These mountains
are well wooded, but it appears
to be second growth. Pines mixed with

broad-leaved trees make up the forest.

We stopped at the Cahaba River, - here a rapid, clear mountain stream, and I collected a small lot of shells (*Goniobasis cuneiformis*). They were scattered rather plentifully on the rocks, and I gathered my lot by hand from the shore.

It was dark before we reached Birmingham, but we had a good view of the higher mountain ridge lying east of Birmingham and extending S. W. to N. E.

Birmingham itself is in rough country, and for some distance northward we were plainly in the hills.

We drove through Birmingham, first along #64 until we reached #31 again, and then along this through the main section of the city, - now brilliant with the evening illuminations. This is a large city (over 290,000) & looks well, but just now is suffering a little from the depression. As we one put it, it is dead.

We followed #31 northward, and after crossing the Lower Fork of the Black Warrior River, we stopped for supper at Warrior. We were now out of the hills, but could see little as the night was dark. We drove to Decatur and put up at the Lynn Hotel, - a good place. We got in at about 9:30 P.M.

We stopped at Decatur to see Mr. O. L. Newson, a shell-dealer & fisher, and got a few shells.

Oct. 12, 1933 Thurs.

In the morning we drove to Swan Lake (what I formerly called Bass Lake). It is a long cut-off lake with about 15 ft. of water in deepest places, and is bordered with low, swampy shores, on which the tupelo (now in fruit) grows in great abundance.

I dredged for Pleurozium & Campeloma. The former were quite abundant in the shallow margins, on dead leaves, mud, etc., & the latter were scattered in the muddy parts. Also dredged a few small *Andromeda imbecillis*? Marge left me & then called for me. I also collected a few fungi, and lots & lots of tupelo.

Decatur 7202.9 - by
#31 2203.4 $\frac{1}{2}$

Tennessee-bridge S, 2203.7
" a. m. 2204.0

Greenbrier
Caney.

#2 & #72 (#31) - 2216.1

Elgin 2220.9
Hicksville

2238.4 Big Spring

Monte Sano 2245.

Hicksville - 2250.2

#31 2272.1

Others - 2273.5 attn

Rogersville 202292.6

Elgin 6-2298.7

Keller 8-2307.0

Florence bridge 09.1

Others

I took a boat out, but got nothing for my trouble.

We had dinner, costing for Mr. Orlin, (\$50.00) and drove north on #31 to #2 & #72, & then on the latter to

Decatur from embankment, then all the way back to Decatur.

Decatur from embankment, then all the way back to Decatur.

Huntsville. We drove to Spring Creek and found it dammed near the source. But below the dam the small *Goniobasis bella*⁵ was very abundant on the sandy bottom, on rocks, etc. I collected quite a lot, and we drove on to Monte Sano. It was getting late, and quite trashy, but we had a good view of the mountains to the south and the valley to the west.

We drove back to Huntsville, a city of some 30,000, & then (in the dark) via #2 + #72 to Athens, where we had supper. Nathan drove on to Florence via #2 + #72, here a very rough gravelled road with many curves. We put up at a private house which advertises room for rent.

Oct. 13, 1933, Friday
After eating breakfast and getting cards we drove to the Wilson Dam at Muscle Shoals.

We watched a government tug (7) - saw two barges of gravel and one sand through the locks (on the north side). Each lock is a lift of about 45 ft., & takes about 15 min. to fill or empty) each lock.

We then scrambled down to the rough rocks below the dam. We were escorted to the restricted area by the watchman.

We picked up many specimens of a very small Somatogyrus, and a large Pleuroxus. The former were along the shallow

edges of the pools, mostly on smaller stones. The latter were on larger rocks (mostly) in the larger pools.

On the return we collected Lymnaea and Physa, mostly on the algae covering the wall of rock over which water trickles.

We then drove back to Shoal Creek, now deeply flooded by the dam, but returned at noon and drove across the Tennessee over the dam. We also inspected the power plant on the south side, saw the big turbines, generators, etc., and then drove on to Sheffield and Tuscaloosa, where we had dinner.

We then drove to Cherokee, thence via gravelled road to Riverton, where I got quite a lot of clams from

Florence	23 17.3
Burnt dam	23 20.7
Shoal cr.	23 27.1
Retard dam. N. end	23 37.1
" S. "	23 32.9
Sheffield	23 39.6
Tuscaloosa	23 41.6
Barton	23 53.1
Cherokee	23 57.8 $\frac{1}{2}$
Riverton	23 73.7
Cherokee	88.9
Miss.	98.3
Tuba	24 03.1 - hotel
	road #72 24

a clam fisherman, & a few dead (large) unio.

We returned to Cherokee on the picturesque road winding over the high, wooded hills. Has supper at a restaurant, & drove on to Tuba, Min., where we put up at a boarding house, —

after a sumptuous breakfast

(Oct. 14, 1933 Sat.)

Lift Inka (via #2) for Corinth
The region is rolling - mostly
most covered with second growth
timber, pines common.

The soil is evidently poor &
the small patches of cotton, corn
& potatoes? were poor, with
bare patches here & there.

The dry season has evidently
been hard in this area.

The soils are not red here,
but a . . .

At 2423.7 (b of Corinth, Miss)
I collected a Habenaria,
near Selma, Tex. red soil
appeared again, but in
patches.

69 mi Hickman to Paducah
180 " Paducah to St. Louis

Inka #72	2403.3	(64.6)
Burnsville	2411.1	
Ilen	2418.2	
Corinth P. Offic	2428.0	
State	2432.3	
Midway	2437.0	
Elmer R.R.	2445.0	
Bethel Springs	2449.6	Back to #57 - 2531.0
Chester	2459.3	2 mi W. to old 2533.1
McNairy		Return to #51 2534.0
Wendell R.R.	2464.1	Dyerville 2535.9
Lebanon	2470.5	Obion R.R. 2544.5
McLean	2477.3	Bogota 2546.3
Genie		Ridgely (Road) 53.6 1/2
Jackson R.R.	2480.7	Wyoming 58.1
Collins	2499.8	Liptonville 61.5 1/2
Alams	2506.0	New Market 8.1
Henry Co.	2512.0	Phillips R.R. 70.3
Friendship	2518.7	State line 72.0
Seggett	2521.7	R.R. 73.5
#51 & #3.		Bondurant (in) 80.8
(out 20)	2530.4	Hickman -

at Jackson, Tenn I collected
acrosses ls. of Quenophellos
Stopped in shallow valley
at 2494.3 $\frac{1}{2}$ & collected
on oak (acorn), coh. elm,
red-buria shrub, & red-bark
tree (Myrsin).

Locs appeared about Many
city & it was notable that the
cotton & corn were so bitter.
Also gourds & gildings.
At Friendship the red soil
appeared in gutters (gullies)
below the locs.

Also in cut stony road
near overh. bridge at
Friendship. Several (6-8)
ft. of loam.

The old cut S. of Dyersburg shows
no yields, & we drove on #78 towards
Hickman.

At 2543 - in upland road
^{2535.9} along #78, picked up Galena
& an oak & a juniper from
a knoll of latter. Took ls
from shrub.

At 2543.9, on #78 N.W. of
Grenville we picked up a
lot of small shells (& a few
large ones) washed out of a
bank of locs, in road cut 20 ft.
at least 18 ft. deep.

This is yellow locs &
the usual lower Mississippi
type.

Beyond the locs cut, on low
lands we saw the finest
cotton fields, - especially near
Ridgely and to N. of Giptonville.

All this part of the trip to Hickman (via the N. part of #78 & its continuation in Kentucky #94, in an agricultural plain on which we saw the largest, finest & most numerous cottonfields of the whole trip. The cotton was everywhere being picked and hauled to the gins.

As we approached Hickman we drove along a ditch lined here and there with Cypress. I collected lvs. and cones.

We reached Hickman at about 4:00 P.M. & at once drove down to the "current" cuts, & walked along the path just below the bank. We found very few fossils, for nearly all

the cuts are overgrown, and the few that are visible have not washed for a long time. I also picked up a few lvs. & under leaves on this cliff, notably Polypodium Tridentatum and Scirpus alternatus.

Then drove to the Rock-
ies and also a short distance toward on #94, but neither yielded any fossils.

We returned and waited the night at the private home of Mrs. Dodge on Main St. (also #94) and had supper at Mrs. Clark's, across the street,

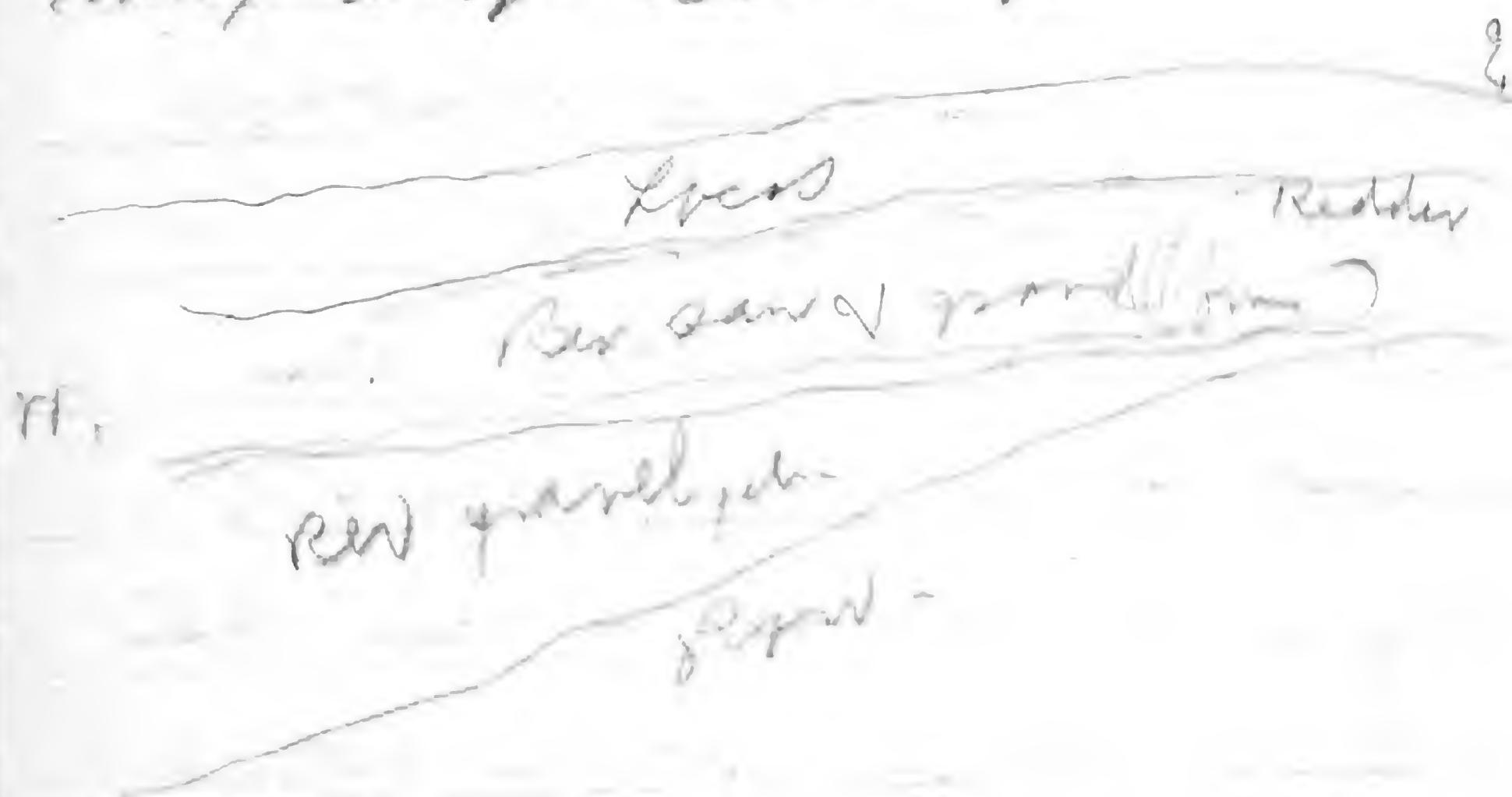
Oct. 15, 1933. Sunday
Left Mrs. Dodge's & had breakfast
before 7 a.m. Drove S. along
bluffs, but found few exposures,
and these only with fragments
of shells. Return to
Magnot in auto on the bluff
above Clinton.

Drove on 94 to #51, & had
battery repair at Clinton
Drove on Roast Columbia
erry (#58) & at 2621.9
on timbered bottom I
collected a few fossil
leaves, - also a water
plant in pool.

Drove to the bluff near the
Columbiaerry here a dark out-

W. Dodge	
Hickman	2590.8
Cape RR	2599.7 $\frac{1}{2}$
#51	2607
W. Dodge	2607
W. Dodge	2616.9
South Pastwell	2627.3
W. Dodge	2630.8
Roast Columbia	2637.6
Welliffe ^{near P.O.}	2646.1
Clinton	2652.8
Clinton	2657.0
Clinton	2662.0+
Clinton	2670.5
Clinton Hill	2670.5 $\frac{1}{2}$
Cedars	2677- Turn to bridge
#45	2677.3
Bridge - side	2678.0
- N. 1	2679.1
#45 - 20	
Metropolis #45	2688.9
Choate -	2694.7
Mermet	2699.6
Vernon #146	2710.0 $\frac{1}{2}$
on the 146	
West Vienna ^{PK}	2714.6-
#51 ^{#2}	2729.3
Anne -	2730.1
Bobden -	2735.5
Makanda Road	2742.3
Carbondale #3	2751.1
Murphyboro ^{contd.}	2758.6
Finnery 6-	2765.7
Vergennes 4	2768.9
Pystis 12-(2)	2781.0
Pineberryville ^{sun} 4-	2782.6
Sparta 19-	2800.5
#152 -	2807.6
Marion 5-	2811.7
Lenglow 5-	2816.3
New Athens 5-	2821.0
Freeburg 8-	2829.1
Bellerville	28

shows layers (6-12 ft.?) on a reddish finer layer beneath which are irregularly banded layers of red or reddish sand & gravel, a horizontal layer of a tan gray clay - 5-12 in. thick, many thin red layers



We drove to Bardwell and then on # 51 to Wickett. All along there are cuts in this rolling country, but they show very

the reddish yellow loess, - with occasional red gravel interbedded in the deeper cuts.

Everywhere there are early gullies, - evidently where forest had been removed.

There is still an occasional small cottonfield.

At 2647.6 east of Wickett cut shows 6 $\frac{1}{2}$? ft. of yellow loess, with a few nodules, & then about 2-4 ft of gray loess with many more nodules & iron tubules & rusty layer 3-4 in. thick, separating them. The former above the 2-4 in. band is well grey loess with rusty tublets, up to about 6 ft., when a narrow rusty line separates this from the

yellow layer above. The latter
has gray streaks + black
carbonaceous lines.
Took samples of upper + lower
(yellow + gray) layers.

We crossed the river on toll
bridge below Paducah + took
\$1.45 to Murchfield and \$1 + \$1.45 for
Vienna.

Beyond Murchfield there are
rather gentle swells, then more
rolling (low). Cut in road show
gray layers like that on S.
side of Ohio River. Shows well
at 2692.4.

at 2692.8 gray layers about
5 or 6 ft. then yellow drift-like
layer 3 or 6 ft. + then below, a
reddish drift-like layer, about 5 ft.

There are bubbles throughout the
two lower layers.

Other cuts (more rolling)
beyond, are similar.

As joints open, but bed of
any shells would be found
at the surface today, except
where there are rough wooden
bluffs + ravines.

Passed Temple Branch area
at 2698.-9^{a good} + many cypress
trees appear

Cypress up to 2704^{ft} at 2704.6
somewhat higher bluffs (wooded)
appear. We go up on higher
ground. Rolling + much timber.
From this on is in higher + more
rolling. -

Now many orchards after
bearing low ground.

Also some fruit apples
especially beyond Anna, - many
pear orchards.

Orchards very abundant up
to about 2748. The latter
part has more apples, -
first more peaches
Ill. State Normal College at
Carbondale.

Same section all along in rough
forest - same near
Murphysboro.

The rough forest-orchard
section through which we
passed produces a remarkable
lot of fruit, and apples and
pears were offered

at several places at stands
along the road.

We increased the distance about
a mile by following #13 instead
of taking the cut-off on #152
Pineberryville to Zildin.

We reached Belleville after
dark, and hunted for a
safe stopping place, but
found none. We finally located
a recommendation of a gas-
man (or man) at a small hotel
known as the Little Hotel, but
by a German couple. It
was to be a good clean place,
and it was very convenient.

I packed a package of plants +
dries for Miss Cavanaugh.

31 Oct Russell + 1.2 mi since 7/1

Oct. 16, 1933 Monday.

It rained heavily at night - we packed and started for St. Louis, - 13 miles away.

Started at 2838.4 -
P.O. 2838.9

E. St. Louis

Bridge East 2852.1 reading
S. to a 2853.0
W. 2853.5
" approx 53.9 -

Shocean Ave. 55.0 -

Lower Broad Ave. + Russell 58.3 1/2

(We mailed the package of plants at Berkeley)

We drove to St. Louis via the old free bridge,

We drove to the Shaw Garden via Russell Ave., & Mr. Lt., Dr. Moon's secretary, directed us to Mrs. Nelson's home at

4252 Shenandoah Ave.,

for a room, to Mrs. Leahy, #4244 for board. We could not arouse anyone at Nelson's, Mrs. Leahy got a room for us next door to her home, at the home of Mrs. Chidley, at 4242 Shenandoah. These places are less than a block from the Shaw Garden and are all nice and convenient.

I went to Dr. Greenman's office, located, arranged my materials, and started to work. Maggie visited us in the afternoon.

In the evening Maggie cleaned the plants and I wrote labels. I woke up Bethula and Carya

Oct. 17, 1933, Tues

I continued to work at the Herbarium and worked

over *Woodia oxybaphus*
smilax { *Ranunculus*
Potentilla { *Thlaspium*
Ribes and *Vitis*.

Margie spent the day downtown, trying to shop, and at a movie.

In the evening she cleaned plants and I wrote labels, and tried to catch up with the notes.

Oct. 18, 1933 Wed.

I spent the day at the Herbarium and worked up *Equisetum*, *Iris*, *Comandra* and started on the *Leguminosae*, with *Astragalus*.

Margie walked about in the vicinity, and visited the Bot. Garden, particularly the bird display.

In the evening Margie cleaned dishes and I wrote up some notes.

Oct. 19, 1933 Thurs

I worked at the herbarium all day, chiefly on Leguminosæ, Ericaceæ, Dicotyledon, Onosmodium, Plantæ, &

A rainy, dark, disagreeable day. Marie spent the forenoon in our room, and in the afternoon went to town.

In the evening we called on Anton Klobasa and his two daughters at 4019 Magnolia Place, - only about 4 blocks from our stepping place (Mrs. Golds at 4242 Sherman Ave.)

Oct. 20, 1933 Fri

I worked at the herbarium all day, - on Labiateæ, Compositeæ, etc.

In the evening we visited with Mr. & Mrs. Childress, our hosts, then packed, preparatory going in the morning. Marie went shopping in the evening & rested in the afternoon.

Oct. 21, 1933 - Sat.

We left about 7:30 + drove to Alton, Ill.

N. of Alton from the surface is rather gently rolling and practically all under cultivation.

We crossed the Ohio River + drove the Wagon of the Crossings to Alton.

In valley N. of the W. of E. of Piasa (#3) there is a low cut partly up hill about 100 ft. (or -) in front. The low is bed (valley) consists of yellow sand, with few white + few shells, mostly broken (see white andesite sample).

A larger specimen was scarcely broken it was not recognizable.

3092.
2865.7
226.3

4242 German Valley
St. Louis 2865.7
Iron River Park 71.7
McGinnis R.R. 75.4
#79 78.7
Bridge (Mo.) 83.8
" " 84.1
" " 2885.4
Bridge 2887.9
" " 88.3
" " 5
" " 88.6
" " 2894.8
Greenville (Mo.) 2913.3
Fenton 2922.5
Bridge 2. 31.7
" " 2932.0
Michael 37.3
Karpville 2941.6
Ferry. R. 2942.0
" " 2942.2
Eddick 2945.1
" " 52.9
" " 2962.3
" " 65.9
" " 2970.6
Vicksburg 75.7
St. Louis - 76.7
Woodson R.R. 2979.1
Jacksonville 87.2

Virginia	302.4
#3.67	#3 2.6
Bluff City	105
Burdett	18.5
Bridgeman	16.1
Frederick	19.9
Pleasantview	23.0
Rushville	28.9
#101	37.3
Littletown	38.7
Brooklyn	46.5
Augusta	56.5
Berea	62.5
#36	66.6
Bentley	68.5
Carthage #9	72.6
Elevaston	84.8
Hamilton	89.2
East City	90.6
W. St.	91.5
	92.0

Other cuts in Altin shales
scant fragments of shales

N. of Altin the country is
rough & #3 runs well along top.

At 2909.8 in a smaller
cut very little loess appears,
gravelly stuff (yellow) below
comes from Senecaville & Fieldon
we are up on the plain, but
then, roughly, we descend & we
drop down at 2926 to a broad
valley with wide bluffs in the distance.

Prairie from a bluff (covered)
opp town of road to Hardin.
Orchard can be seen further up (N.) all
facing SW.

Valley is broad - Bluff abrupt &
mostly, woods on both sides.

The bluffs on N. side of the Illinois
have abrupt rocky headlands.

The country back is mostly
timbered (partly cleared). The largest
cliffs are covered with Juniper
virginiana & common?

At 2940 we stop on
bottom N. of Hardin, Ill
(on Illinois Rv.). Collector
in Woods

It's a small fl.
in urban
area
Lymanites
Laramie, etc.

We crossed the Illinois at Kampsville
the ferry.

2 tiny cut. at 2945.4 etc.

Lower part (near base of hill)
soil & chiefly *Succowia*. Just

at 2945.4 it was much
more fossiliferous & had
a few nodules.

Large samples, nodules & shells,
a sandy band runs through
probably 5-6 in thick.
Fossils mostly absent
but run from 6 to 15 ft or
more & my shells came
from about 5-6 ft. above
now.

At 2945.6^{1/2} in top of hill
& cut. (The reading at 45.4
was a little above W. end of
cut.)

Upward the cut is 18 ft. or
more deep, but there are
no fossils - they gradually
fade out as we go up hill
eastward.

The shells which I collected
are mostly in fine condition -

were not broken, but
abundant in "rocks"
Conularia herpulium was
fairly abundant & it has
"nesting" habit today.
We drove to Carrollton in the

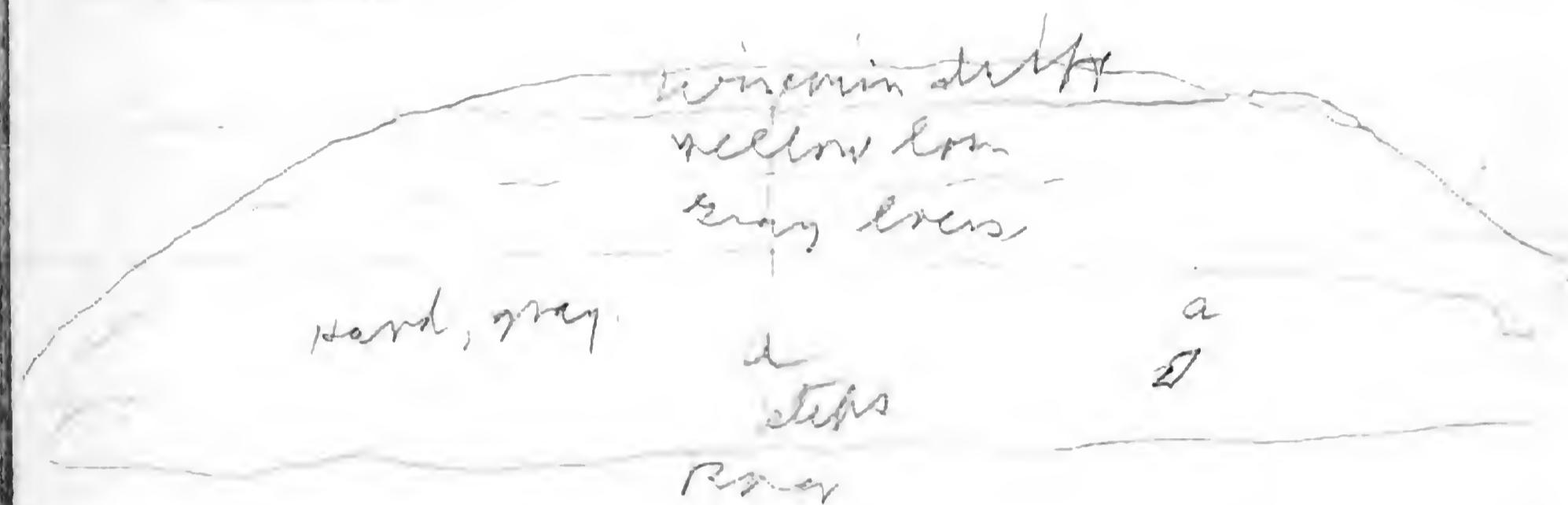
Keokuk	309.3
#161+1	3101.7
Donnellson #3	12.82
Skunk River	30 30.6
Wx. Pleasant	35.2
old - RR	47.1
No. 2. —	58.1
RR. at #22	71.7
Home	84.9

My notes on March 9th. for base
are 10 ft. from base

Oct. 1933

Cut N. of Shunk River, N. of
Mitchellville.

E. side -



at a, about 3 ft. above gather was
a good sized log (see frames
1 yard 5 in. in diam.
other 11 larger
good many smaller scattered through
the layer (a)

Shells of *Union* *curva*, (one layer
Buccinum & *Polyzon* *multilobata*
(small form) & *Pyramisula*
scattered occurs, through bars
also few *Vestigia*.

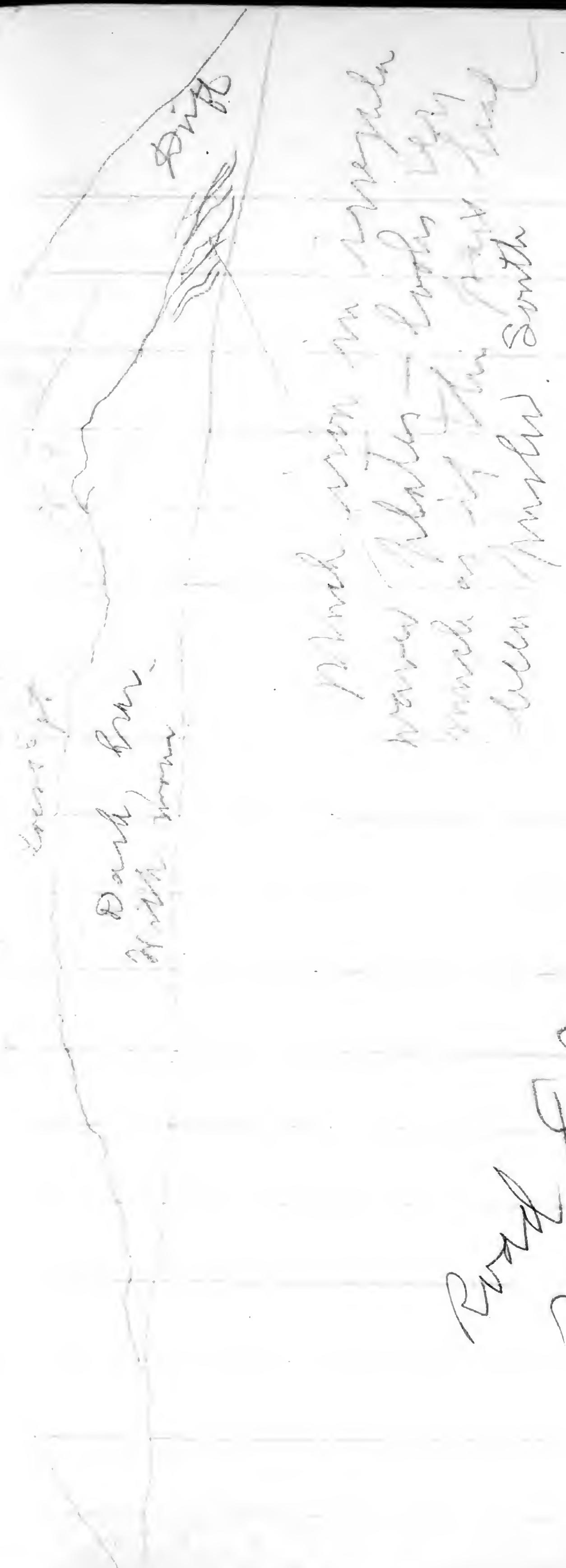
I took a sample of the hard
stuff at about 3 1/2 ft. above
gather & near the big log
The section along steps is about
this. Sand about 3 ft.
depth about 4 ft.
13 ft.
2 ft.

about 9 ft. yellow loam
about 3 gray loess
" 3 Radish - brown
13 ft.
Dark ash,
very hard
" heavy

The "yellow loess" has pockets of gray
loess & also of sand in upper part &
it separates from the sand by a
somewhat oxidized layer - irregular
There is some sand between yellow
& gray loess, but both are more or
less streaked & irregular, - the

yellow with gray & the gray
with yellow. Possibly all
this has been somewhat
shifted.

5 ft. below yellow ~~was~~ took
sample of reddish or yellow hair
stuff. ^{or red} over?
The two sides ^{of red} are equal
& evidently there has
been much interchange.



St. Louis

Mrs Bell, Dr. Morris sec.

Miss Laddwick, Dr. Greenman's sec

way

32 - Le. 9. Dunn - Cedar Rapids

33

34 - Kringle - Sec. Abbott Co.
way

Southern trip

Expenses (Con.)

Brought over - gas, etc. 20.13 Remaining \$18.24

Oct. 4 - Notchey - Breakfast, soda 5	1.41
cheese-cloth 10, dinner 60	1.70
Wilkinson gas.	1.68
Gasoline 11 - soda 10, new soda	2.20
- Room - Baton Rouge 1.00 supper 40	1.40
30 35 33	9.8
Oct. 5 - Breakfast 30 Cap. 50 gas 10 - Baton Rouge	2.50
New Orleans, dinner 60 Sodas 20, supper 1.70	4.85
Light dinner 4.50 - Candy 25 soda 10	4.85
Gasoline 10 - Room 3.75 garage 50	4.25
Oct. 6 - Park Hotel Room 2.5 122 42	2.52
Breakfast 50! Poter gas + oil	1.00
Potter Christian, dinner 1.95	2.45
Potter - gas 1.00	1.00
Toll as mobile	1.30
Supper 1.70 May Minette	1.75
Oct. 7 - Atmore, Ala. - Room + breakfast 10	2.27
gas + oil 2.17 sodas 10	.50
Broz & Mr. Tolson, Bluff Spring (Tenn.)	1.05
Francisco City, dinner 30 apples 25	1.80
Clarkton, Pecker 55 Room (shells) 25	1.83
Monroeville, gas 1.38 supper 48 soda 5	2.00
Oct. 8 - " room 1.50 breakfast 50	.50
dinner 40 soda 10	2.00
Gas Hotel 2nd	2.00
Montgomery, supper 70, room 10	1.20
Oct. 9 - Breakfast 50 dinner (Memphis) 70	1.20
Selma, gas 2.00	2.00
Oct. 10 - Room supper room breakfast 50	2.00
Centerville, 10 da 10 dinner 10	.60
Columbiana, gas oil	1.92
Oct. 11 - Columbia supper 70, room, break 60	2.30
Gas - green	2.00
McGowans Farm, Dewberry 50	50 / 40

Hopkinsville - pop
Warren - Memphis
Porter Decatur

Oct. 12 - Decatur - Lyon Hotel, breakfast 65	2.65
Room 3.00 dinner 1.10 car storage 50 tips 25	4.85
Gas - 2.25	2.25
Gasoline 30, boat 25 papers 10, paper 5	.70
newspaper - supper 1	.45
Gasoline - room	1.00
Oct. 13 - Porters - Breakfast 30 fruit 45	1.75
Gas + paper 25 magazine 75	1.20
Gas - meal Florence 1.68	1.68
Gasoline - guide at dam, 50 breakfast 10	.60
Hopfield - dinner	1.30
Gasoline, supper 35	.35
Gasoline - room + breakfast	2.00
away, Team. gas + oil	2.01
Gasoline, Team. dinner .50	.50
Gasoline, Team. dinner 15 25 match mill 25	.65
Hopfield, gas, oil 2.15	2.15
Gasoline, gas, oil 1.00	1.60
Gasoline, Mrs. Clark 1.00	1.60
Oct. 14 - Breakfast 25 Room - Battery Park Clinton 70	.95
Gasoline, gas 1.05 dinner 70	1.75
Gasoline, toll -	1.00
Gasoline Sparta gas, oil (Eden)	1.50
Supper - Belleville 1.70	1.70
Oct. 15 - Room 2.00 breakfast 20 Parcel Post 37	2.59
Toll 4.00 10. dinner 70 supper 1.00	6.80
Gasoline 50 gas oil 25	.75
Oct. 17 - Breakfast 60 dinner, supper 1.00	1.90
Gasoline 37.73	37.73

Landerhills at Rio, Ky. Hart Co.
Nautites vol. XLIV, pp. 16-17 (Edmonson Co.)
 S. F. Archer.

Polygyra dentata (scarce)

" *thyroidea* (not abundant)

" *albolobris* (" ")

" *zalata* (very ")

" *appressa* (" ")

" *tridentata* (" ")

" *stenostoma* (" ")

" *inflecta* (rather com.)

" *plicata* (very abundant on top of ^a *Miner's* Knob.)

" *bisorta* (rare. Owyx cave)

Anguispira alternata carinata - Scarce.

Songydiscus perspicillatus - very scarce.

Haplotrema concavum - not com.

Mesomphix laevigata - com.

Omphalina cuprea - not com.

" *frabilis* (rare. Owyx cave, Edmonson Co.)

Gastropelta contracta - Scarce.

Glyptophylaxia indentata - Rather com.

Paravitrea capella, *Platifrons*

Retinella radicatula, not com.

Paravitrea andrewsae - " "

Ventridens legera - not plentiful

Succinea avana - Scarce.

Margie - 20.74⁺¹⁰

22.68-10

Orno 6.41-10
 Oshalan 4.52-10

33.61
 80

73.31

62
 93.10

Oct. 18, Breakfast, ⁶⁰	dinner ⁶⁰	supper ^{1.00}	\$ 2.20	
Gas, ^{1.30}	Garage ^{1.00}		2.30	
Wed. -				
Oct. 19 - Breakfast ⁶⁰	dinner ⁶⁰	supper ^{1.50}	tip (cash) ^{1.00}	1.95
Oct. 20 - Breakfast, ⁶⁰	dinner, ⁶⁰	supper ^{1.00}		2.20
Room for 5 days.				
Oct. 21 - Breakfast, ⁶⁰	garage ^{1.50}			
Toll - River				
Ferry, Kampsville				
Gas, oil - Jacksonville				
Supper flash lights ^{2.30}				
Toll - Beardstown				2.5
Toll, Kerckhuk				2.5
Gas + 1.00 - supper 70				1.79
Total				23.94
				18.29
				47.89
				37.73
				<u>\$127.85</u>

Walter Campbell
Van Buren
Mo.

Adolph Carrigan
Iron River, Wis

Mrs. L. H. Hankes
Clairborne, Ala.

Cornelius Dewberry.
Wilsonville, Ala
Well yet dams.
McLowen's Ferry.

J. L. Newson
Decatur, Ala.

Dams - nothing -

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